

Server Components Supporting Application Delivery & Execution License

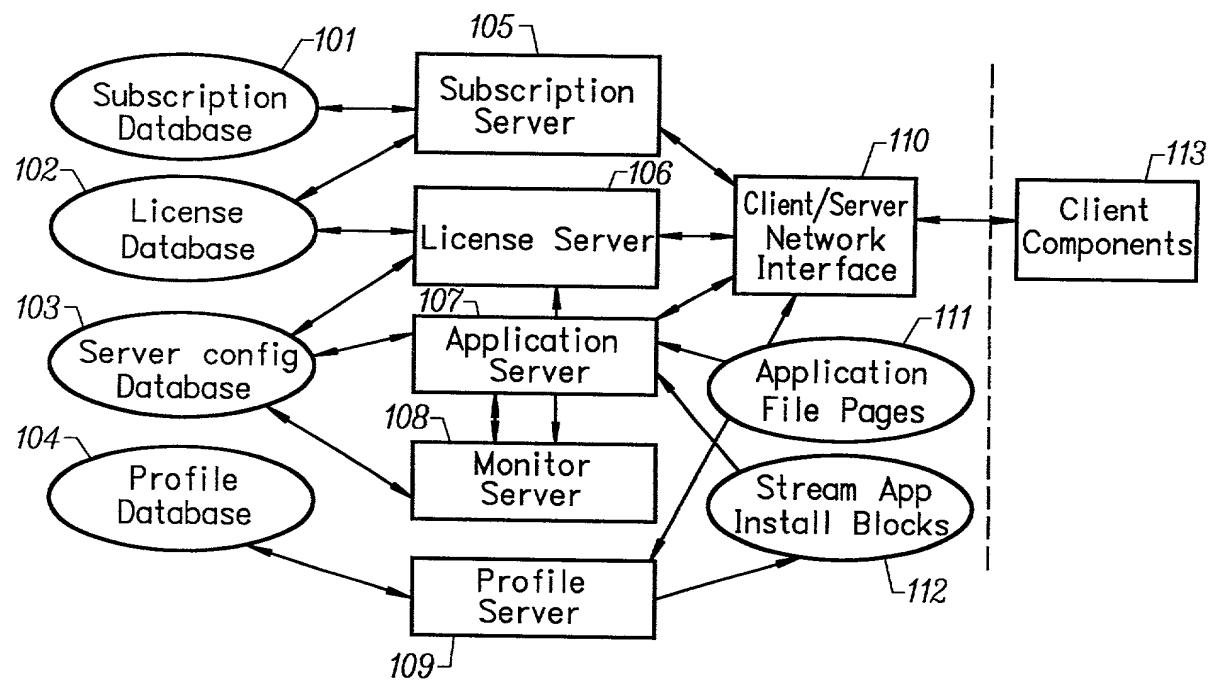


FIG. 1

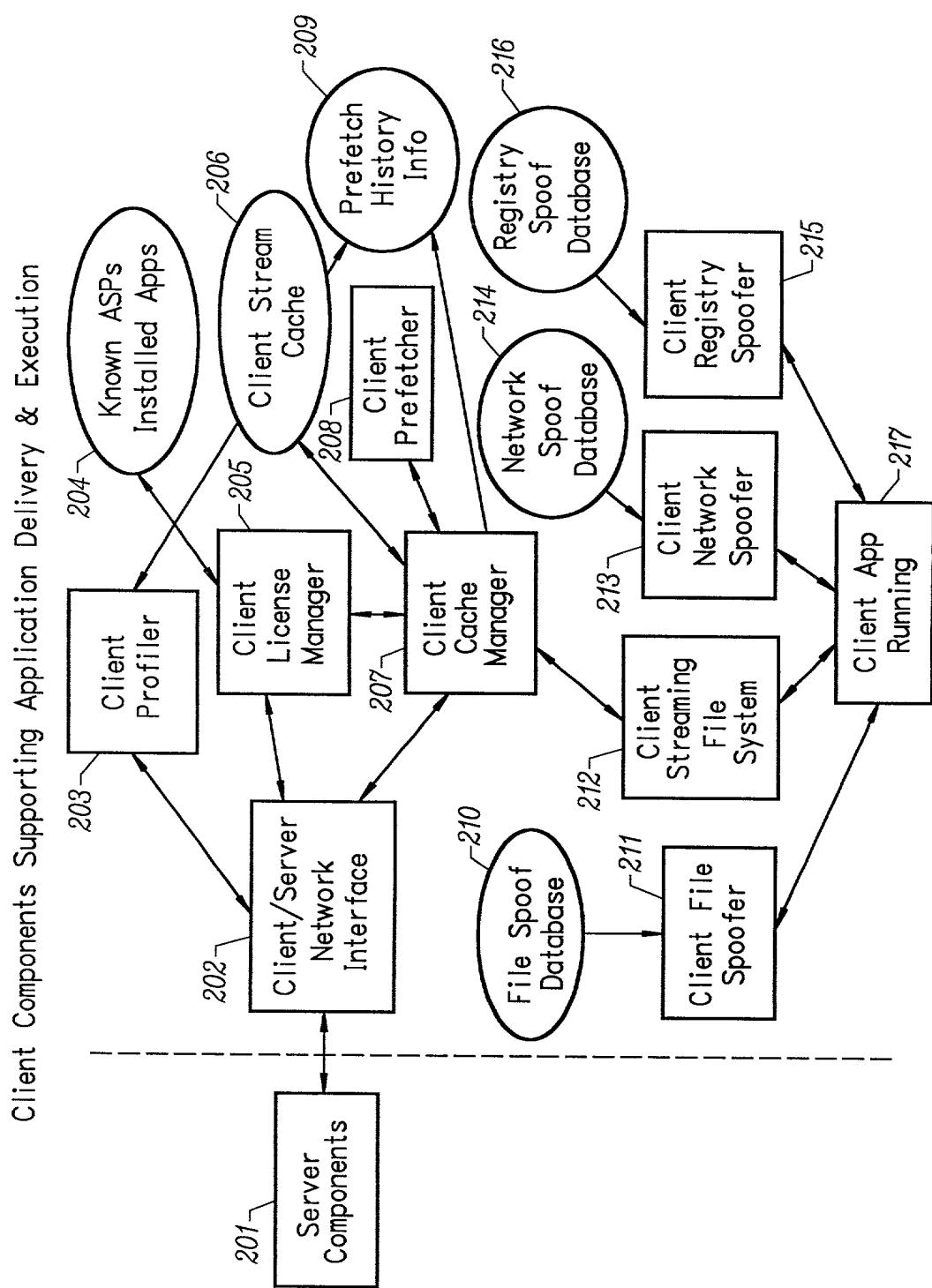


FIG. 2

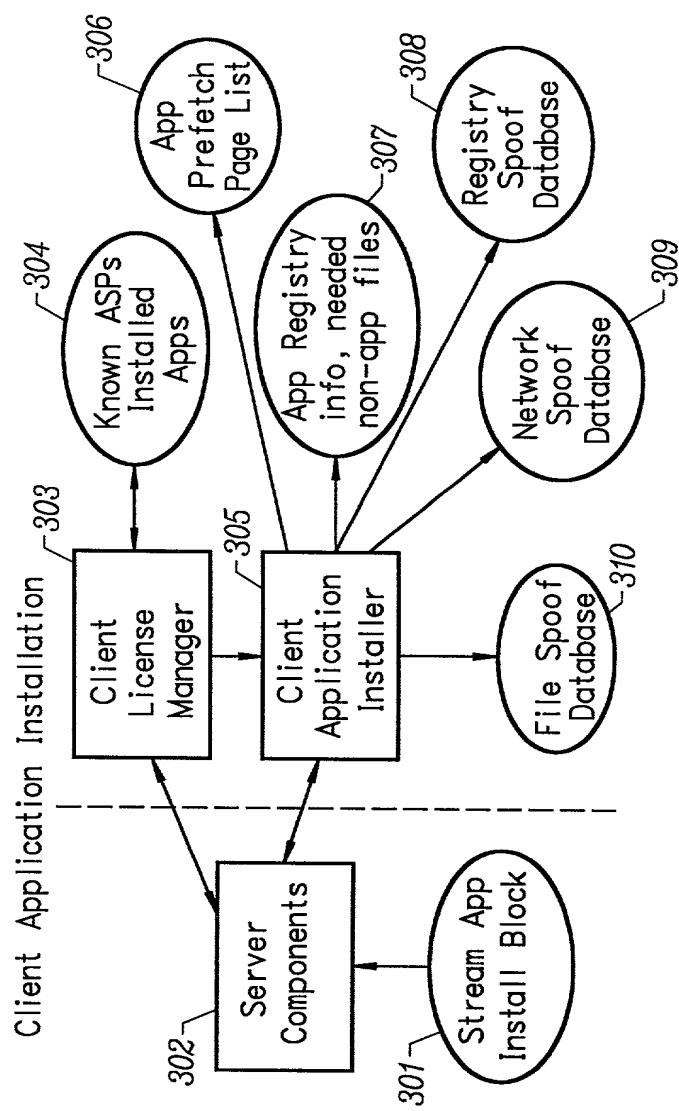


FIG. 3

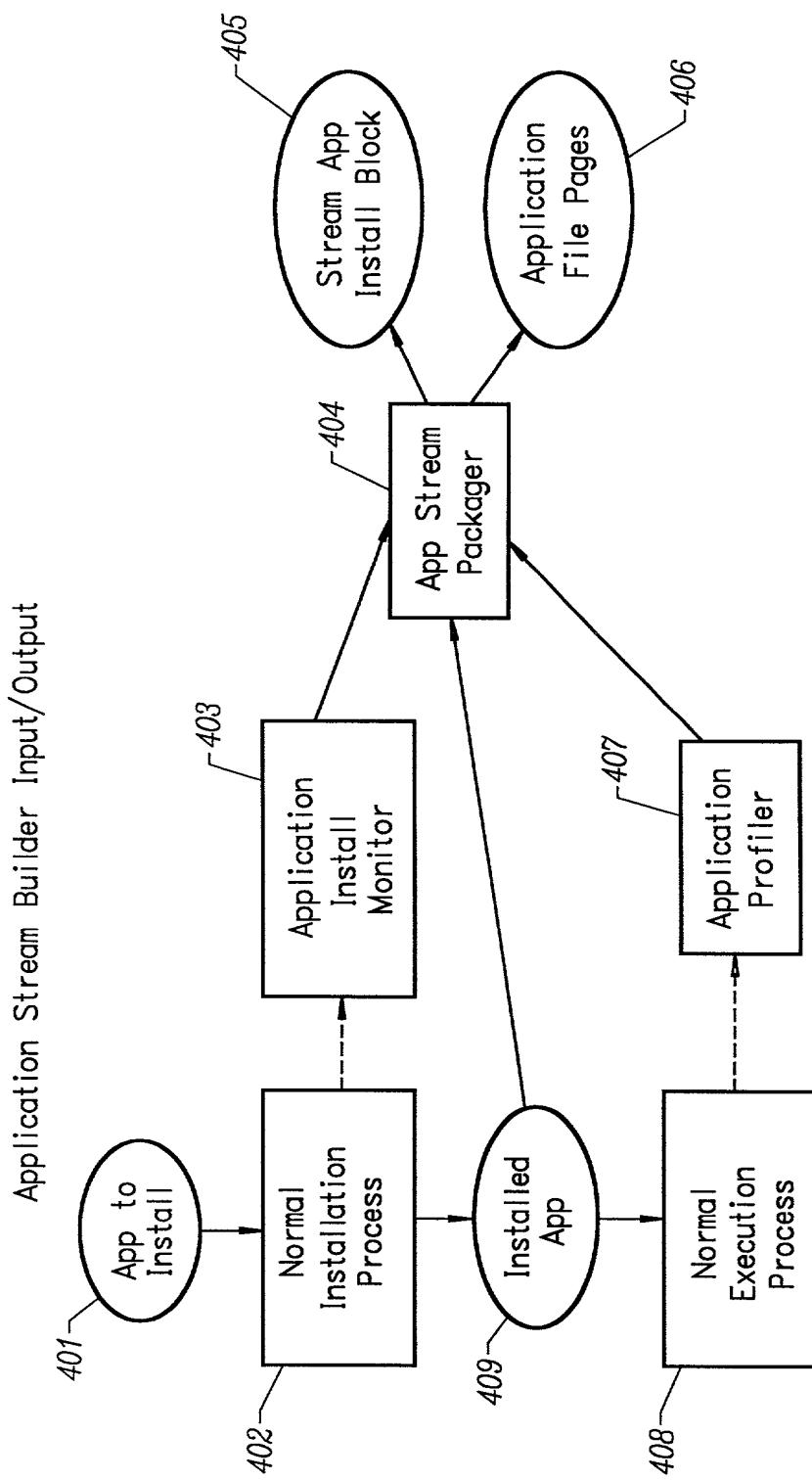


FIG. 4

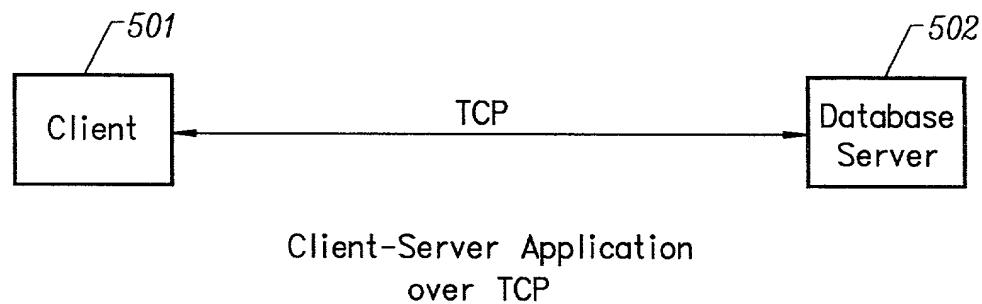


FIG. 5A

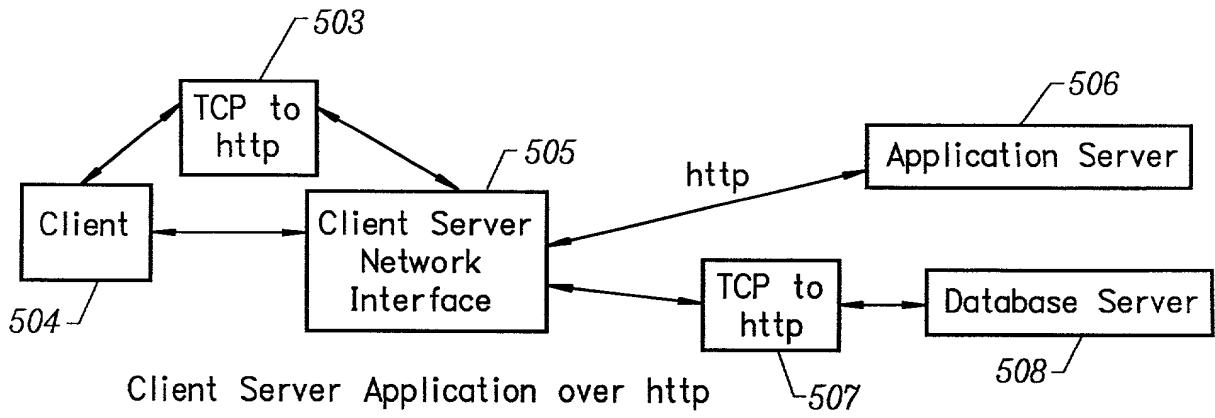


FIG. 5B

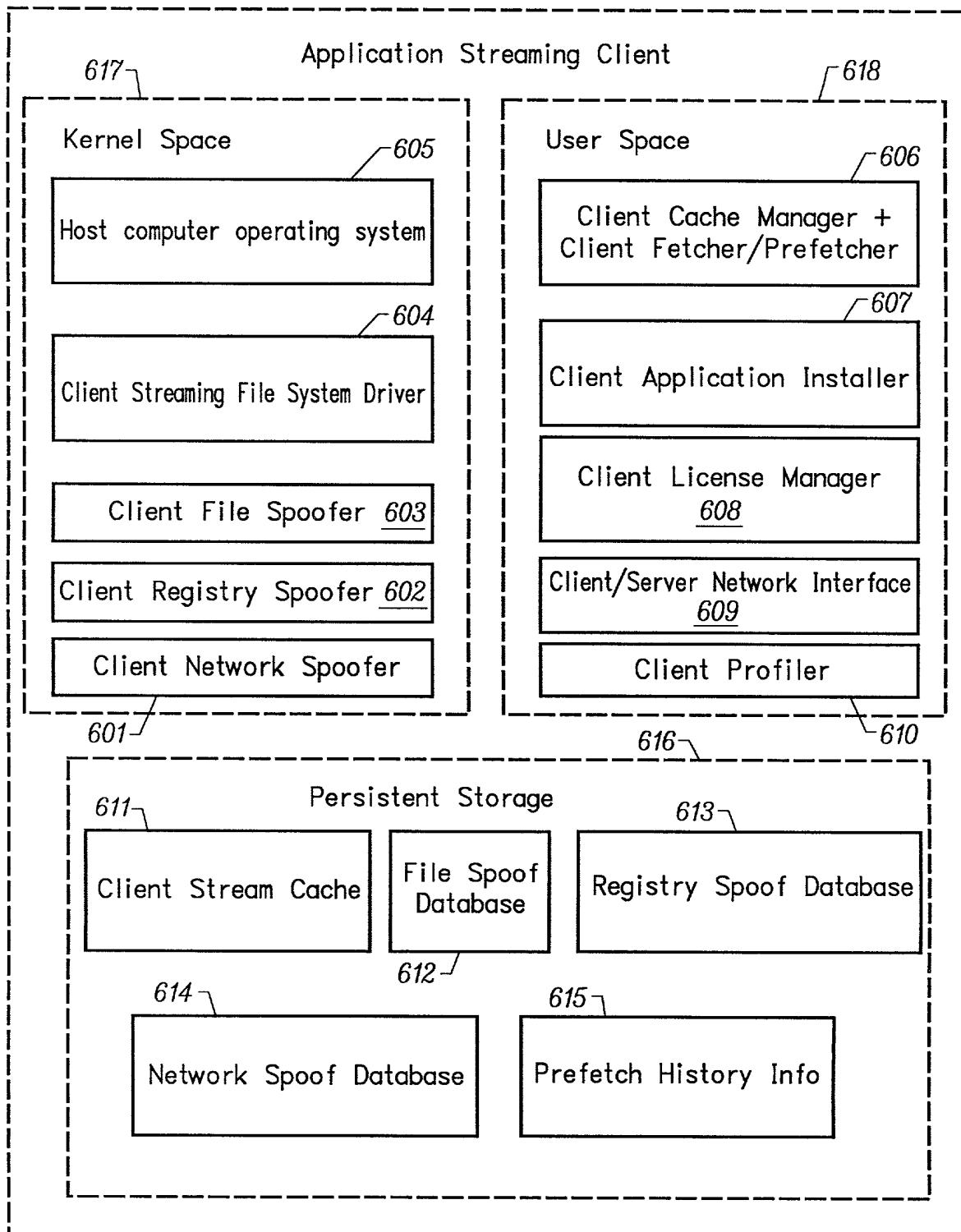


FIG. 6A

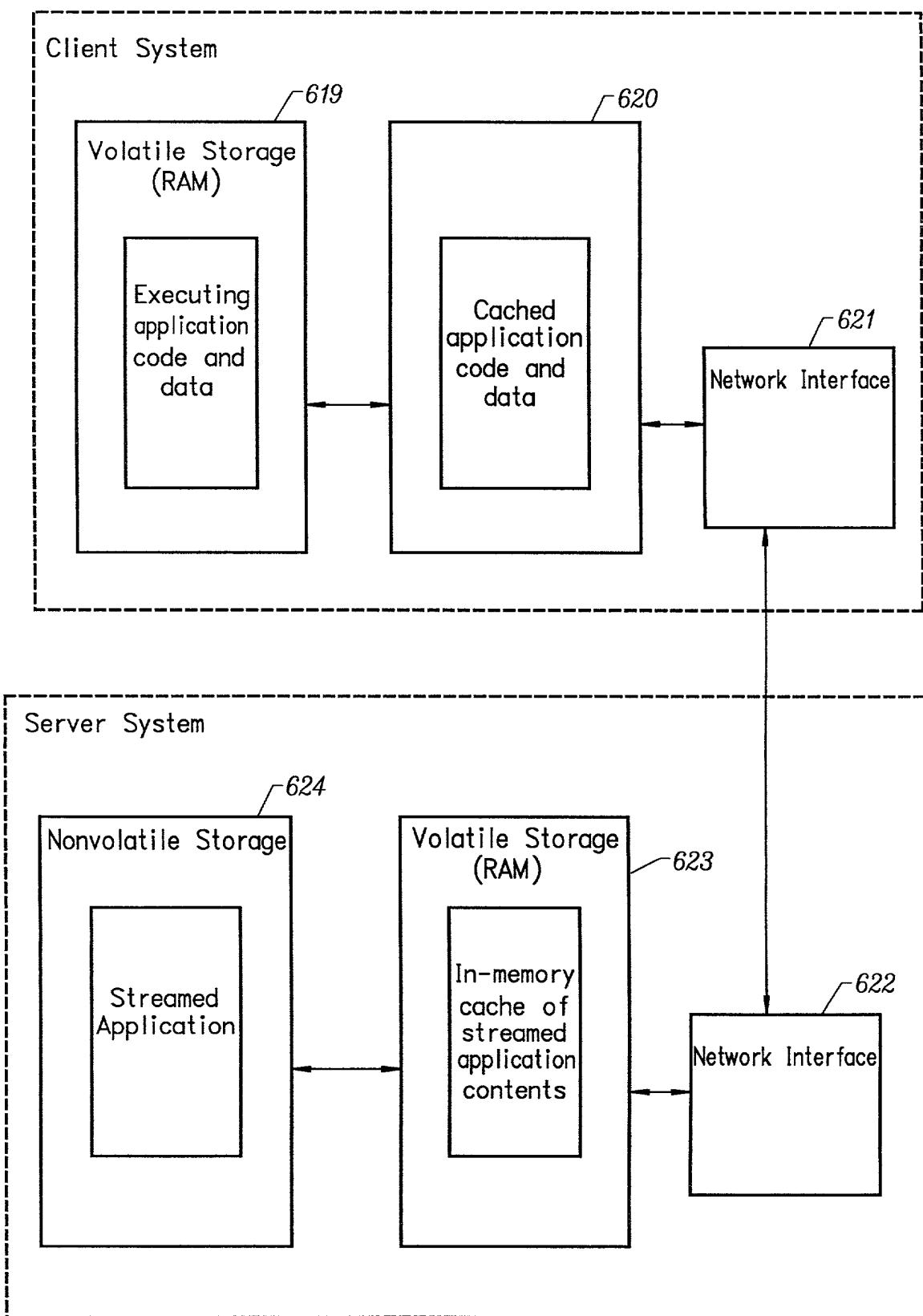


FIG. 6B

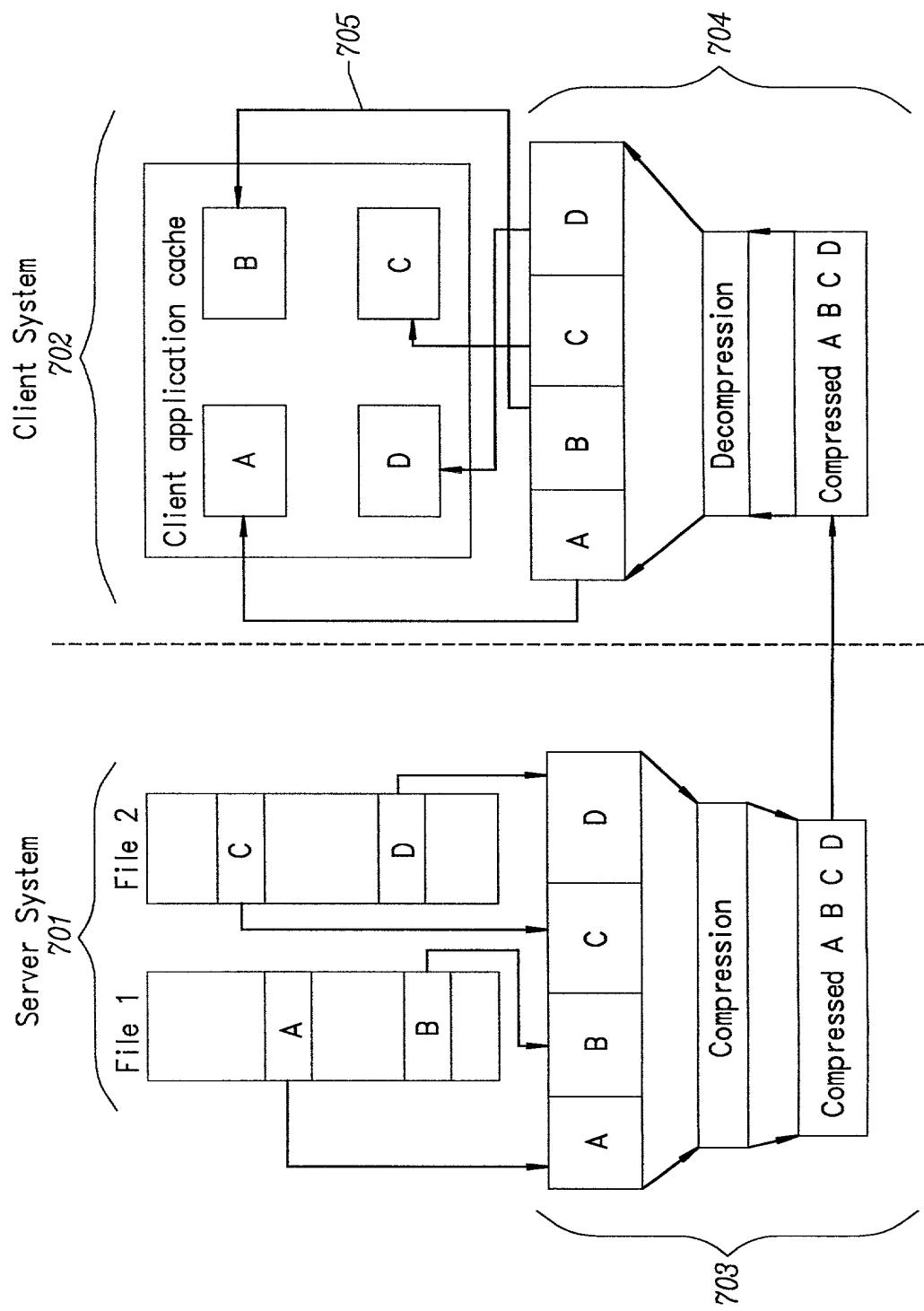


FIG. 7A

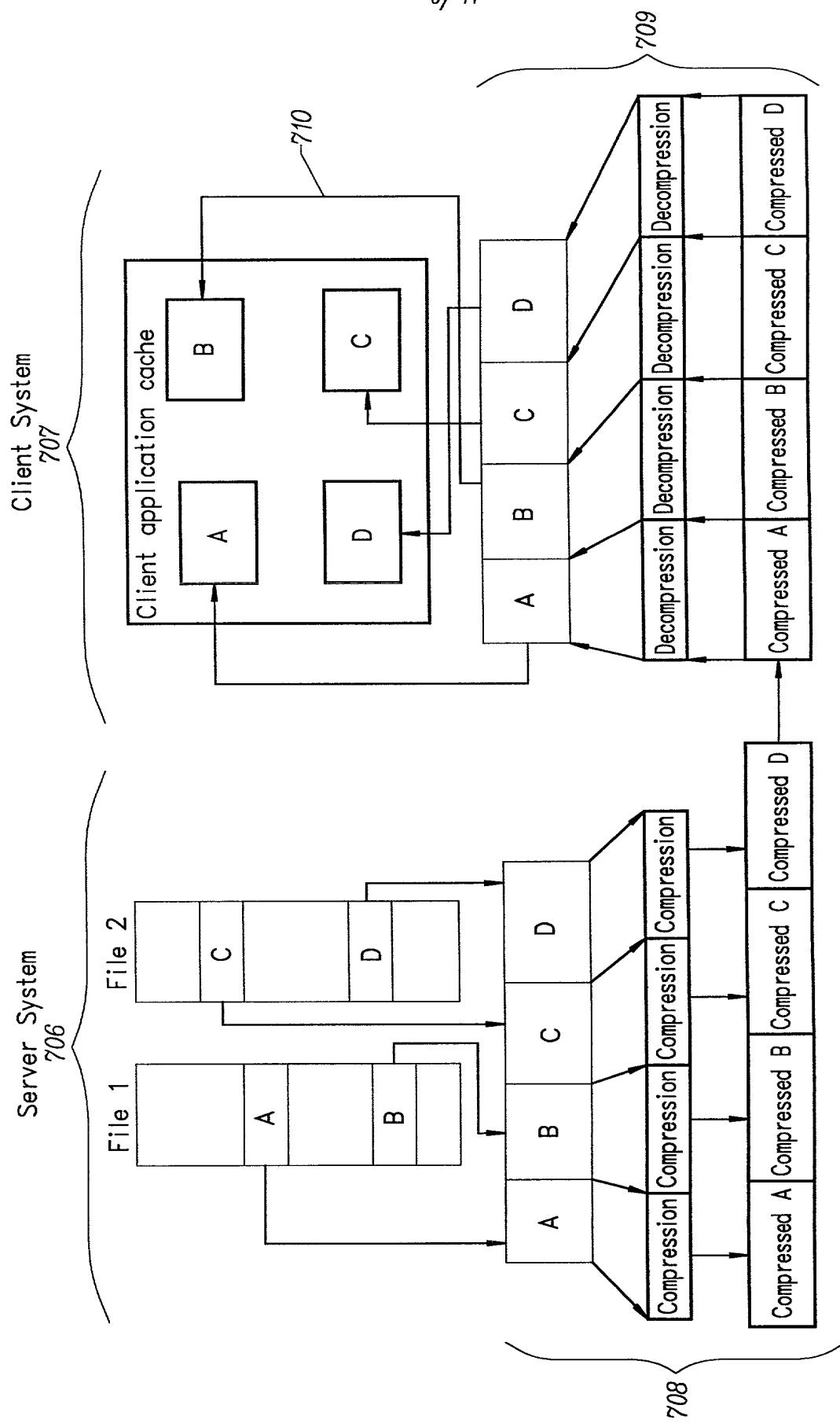


FIG. 7B

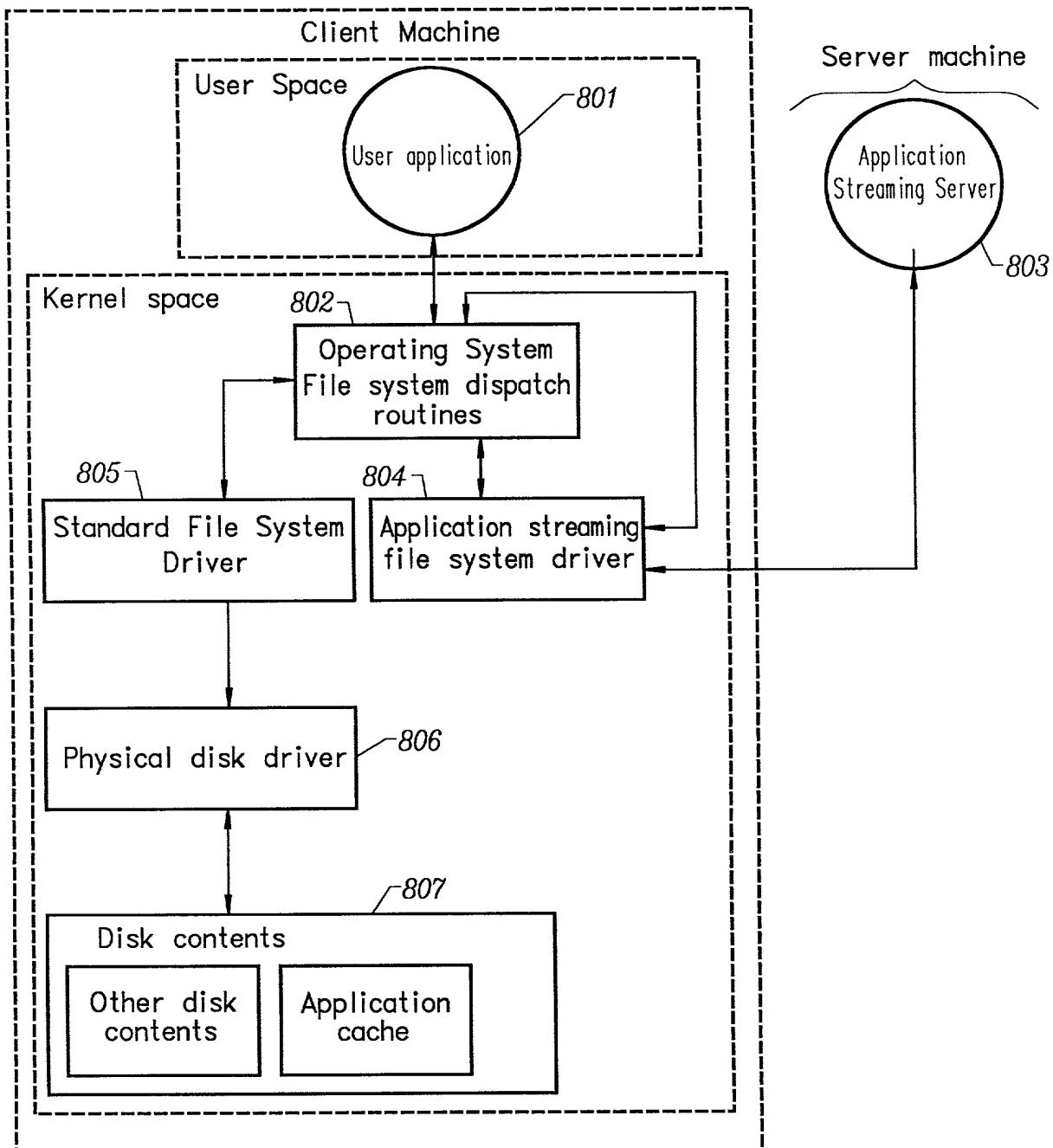


FIG. 8

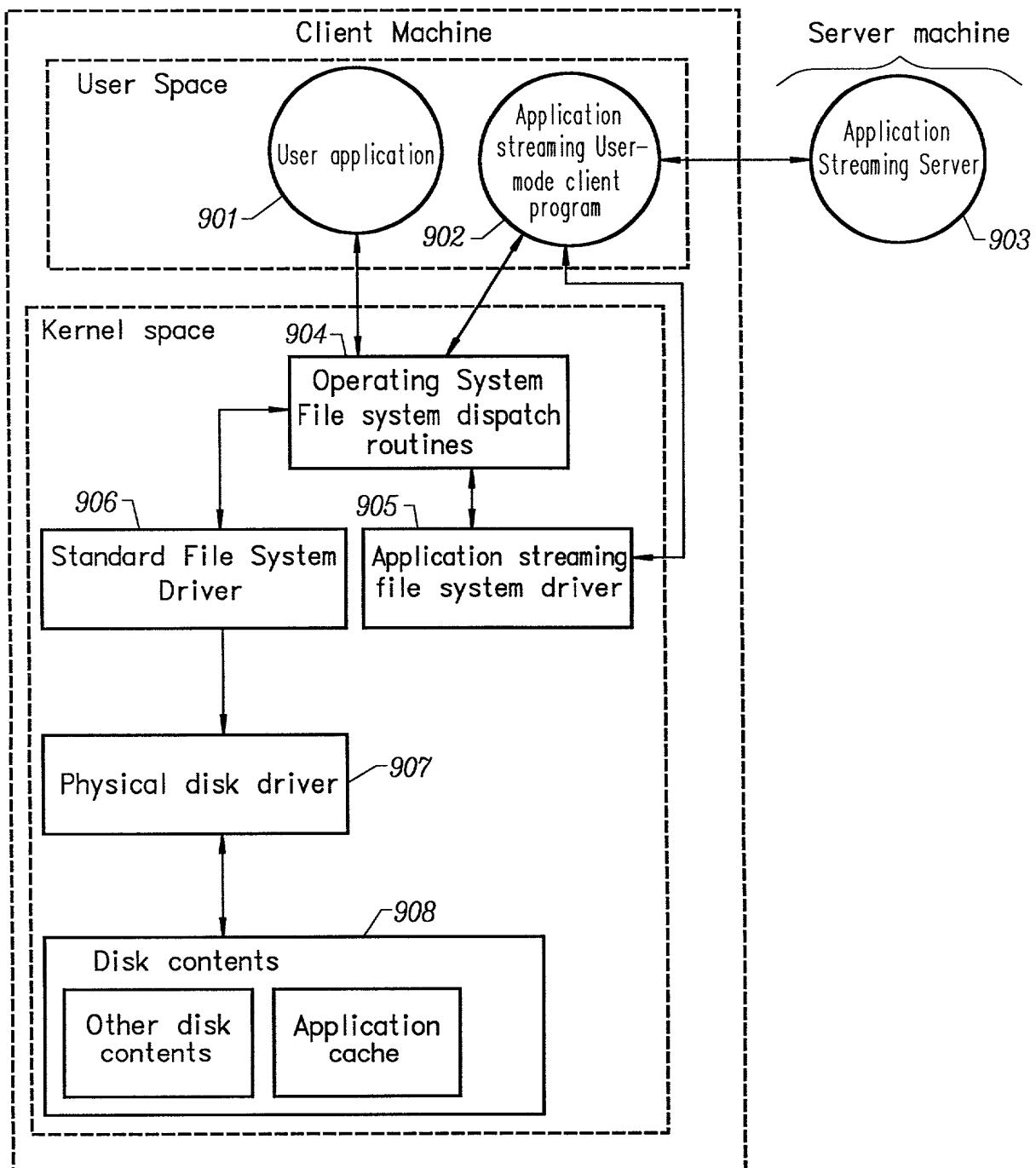


FIG. 9

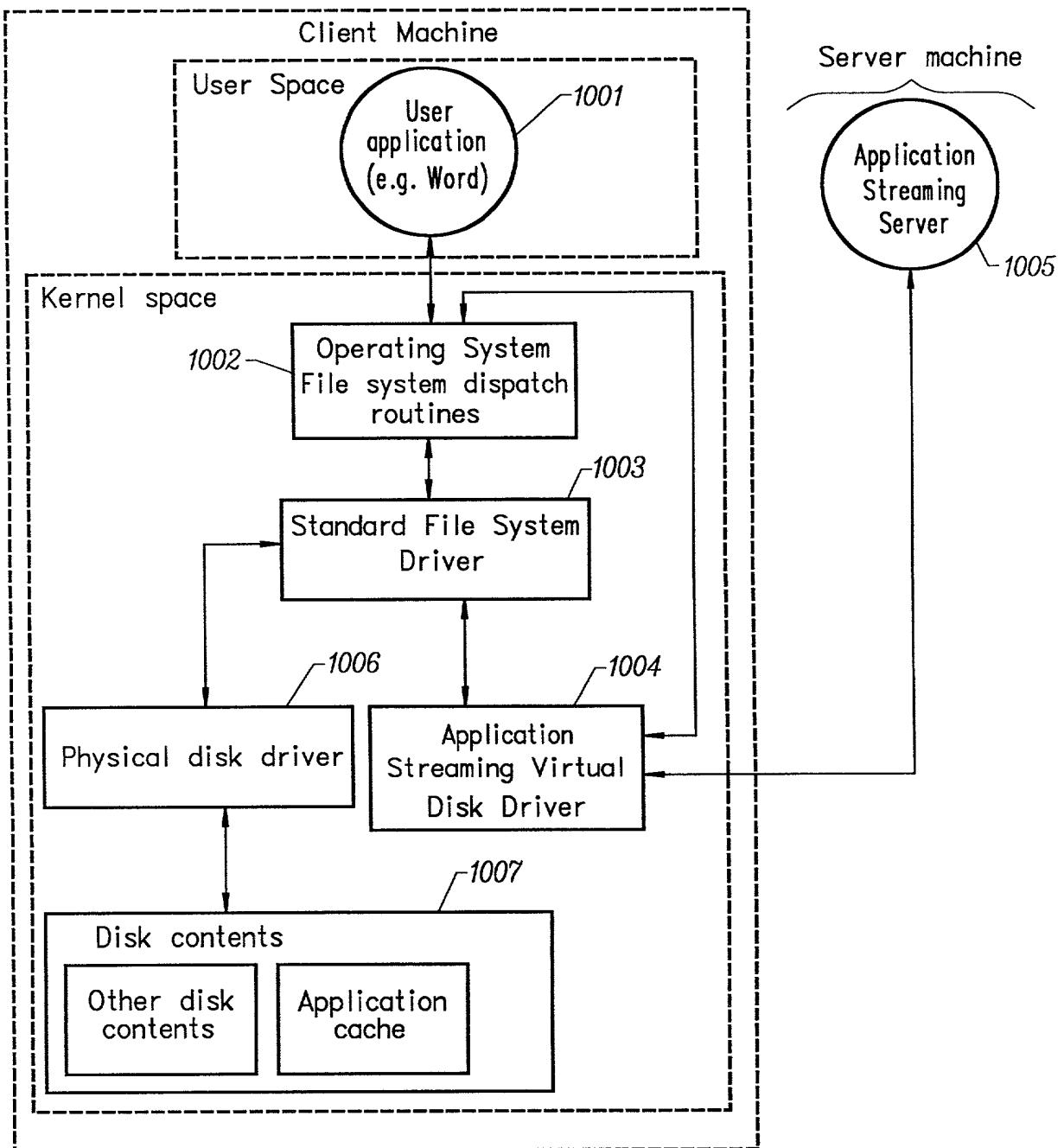


FIG. 10

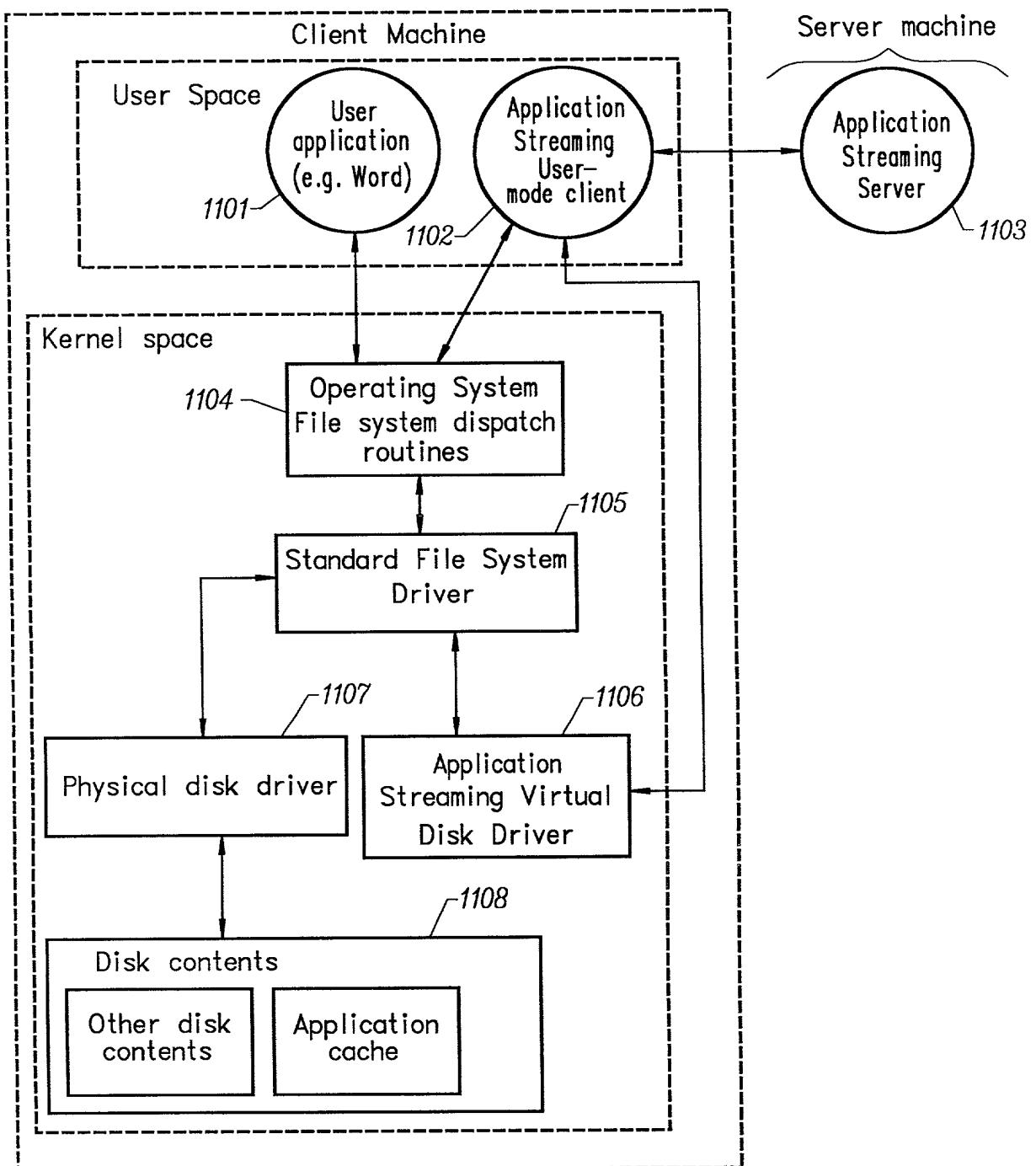
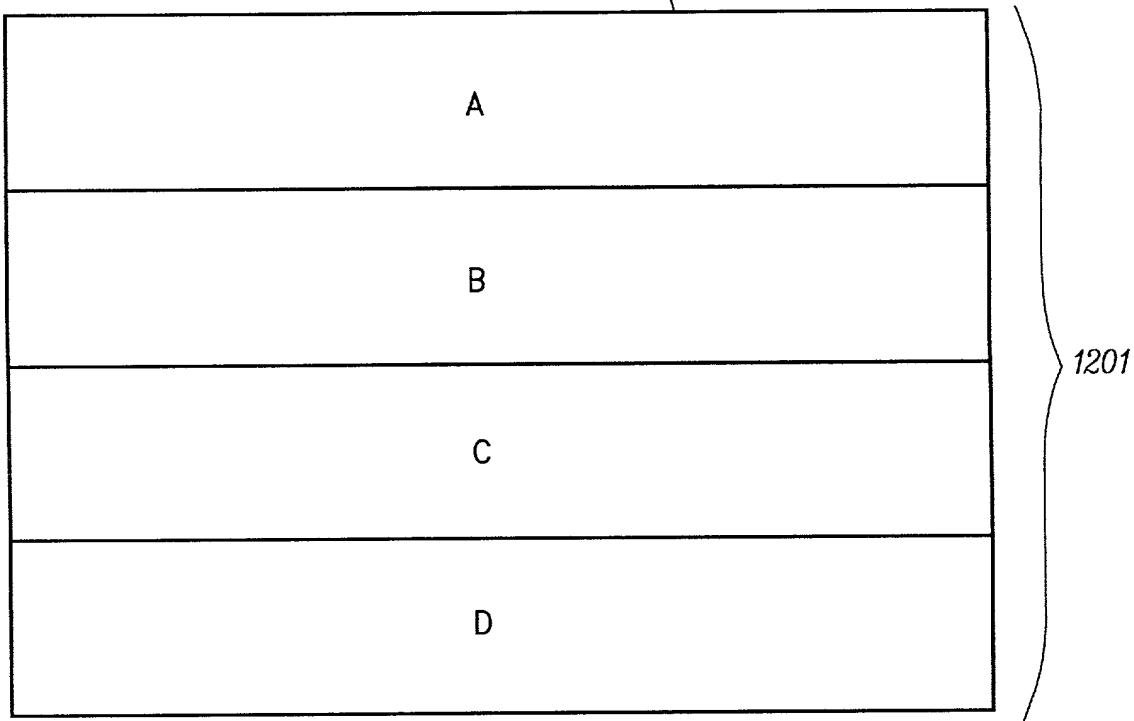


FIG. 11

Unencrypted Cache



Encrypted Cache

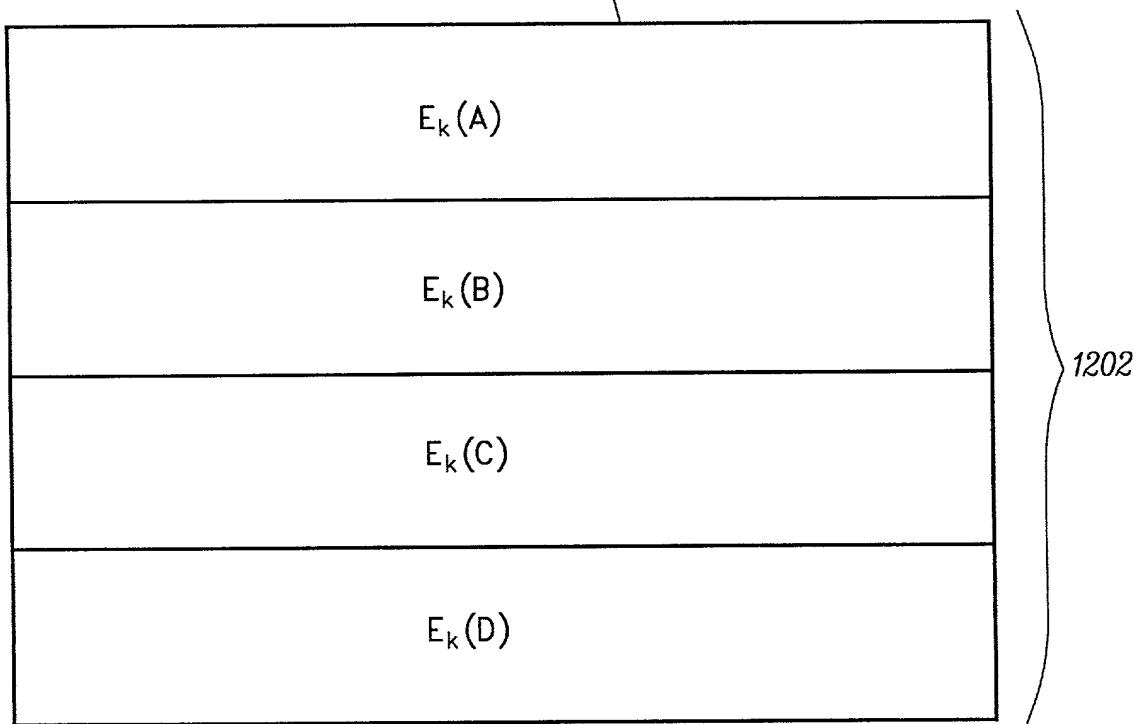


FIG. 12

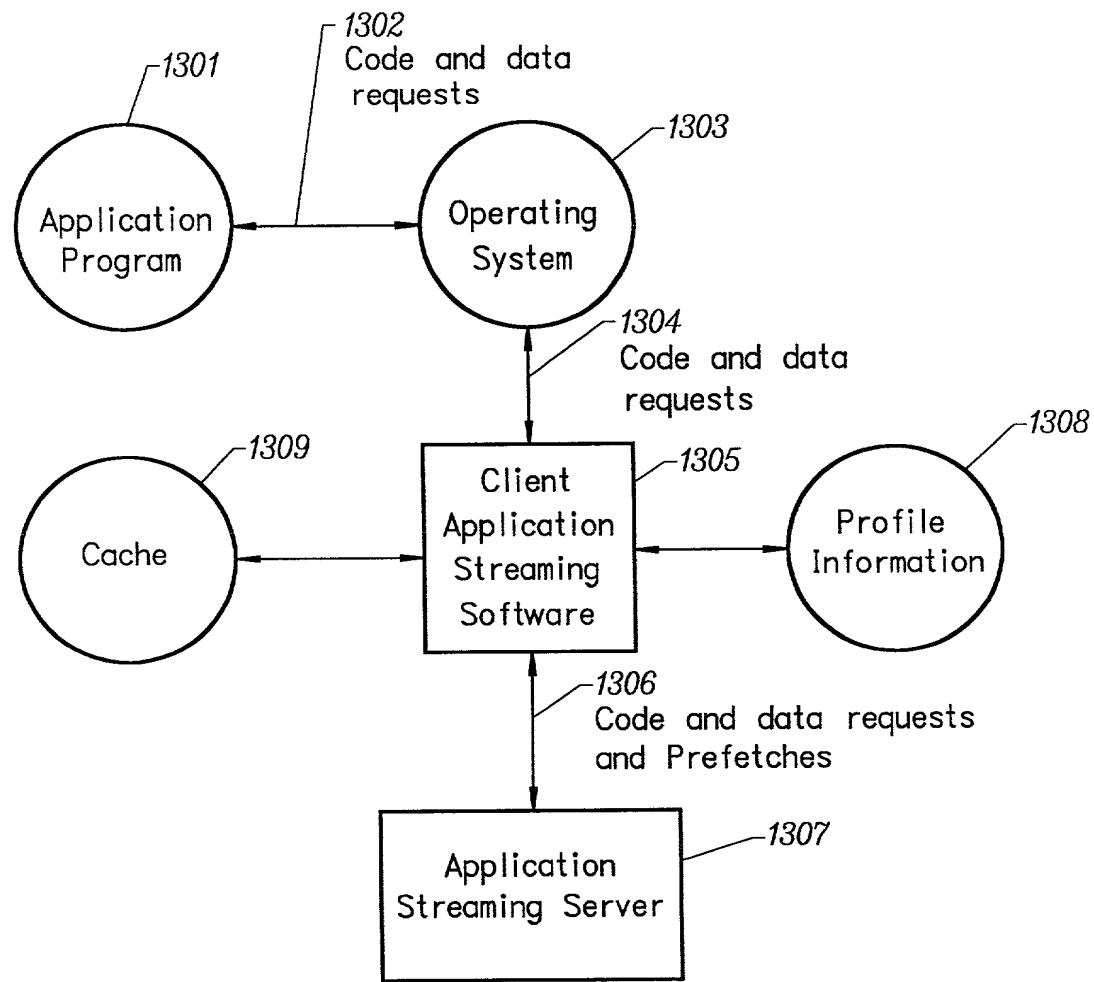


FIG. 13

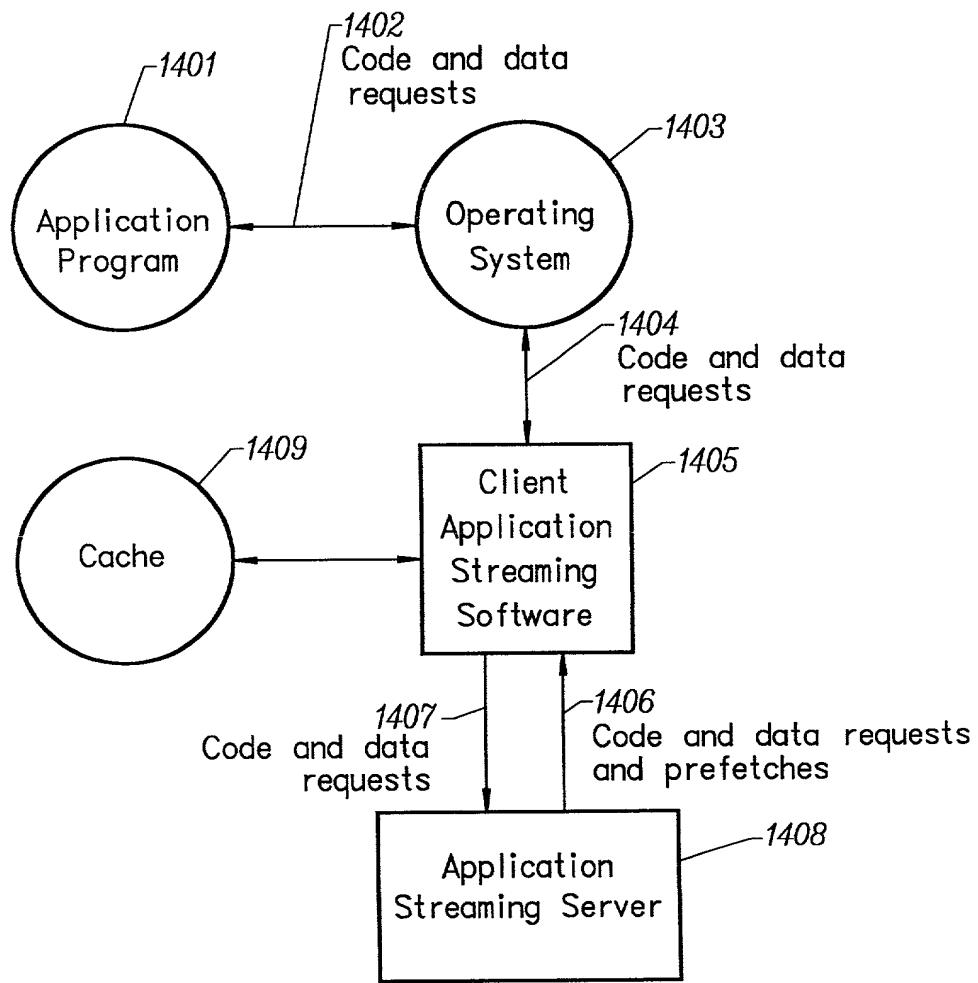
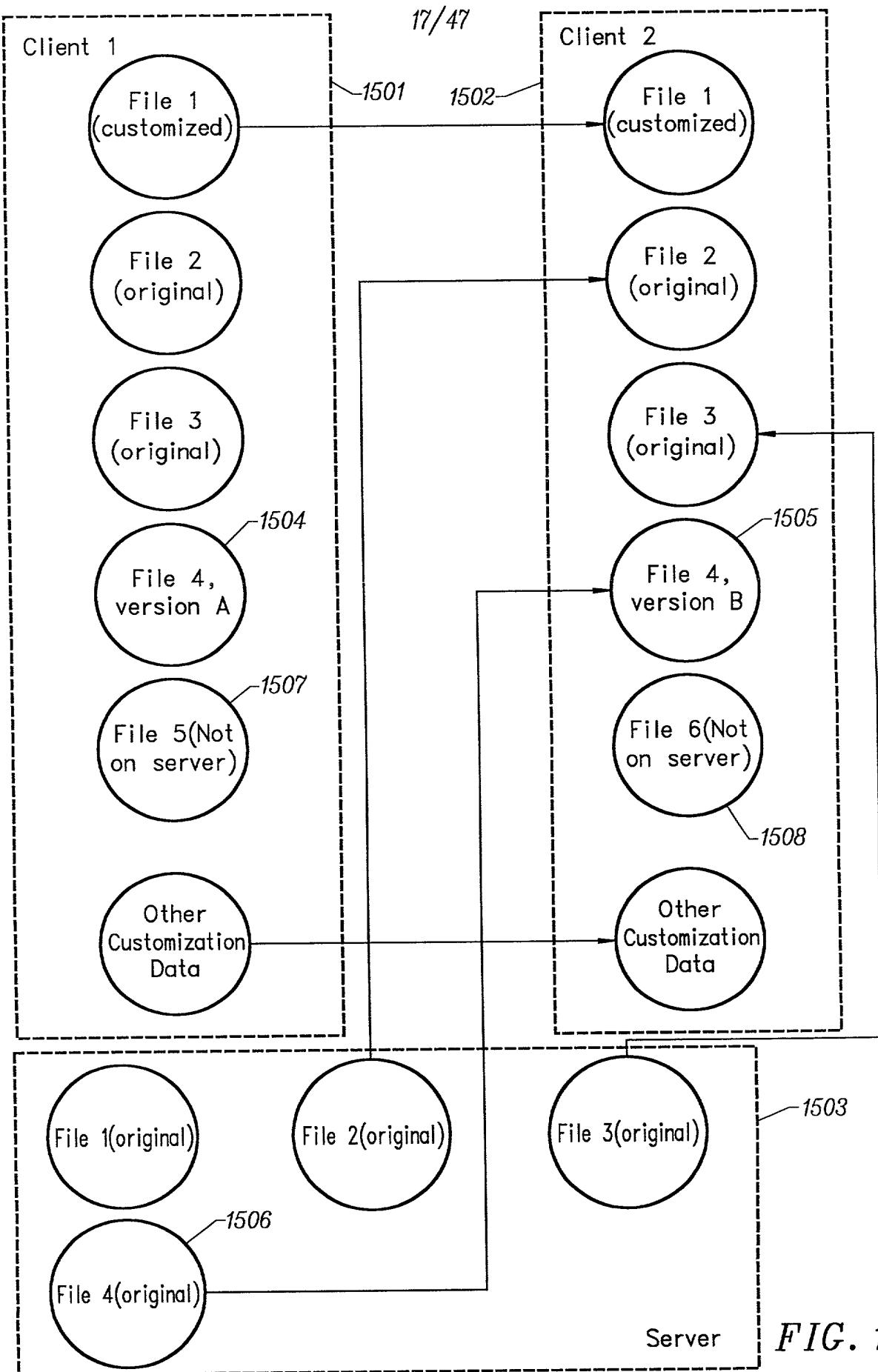


FIG. 14



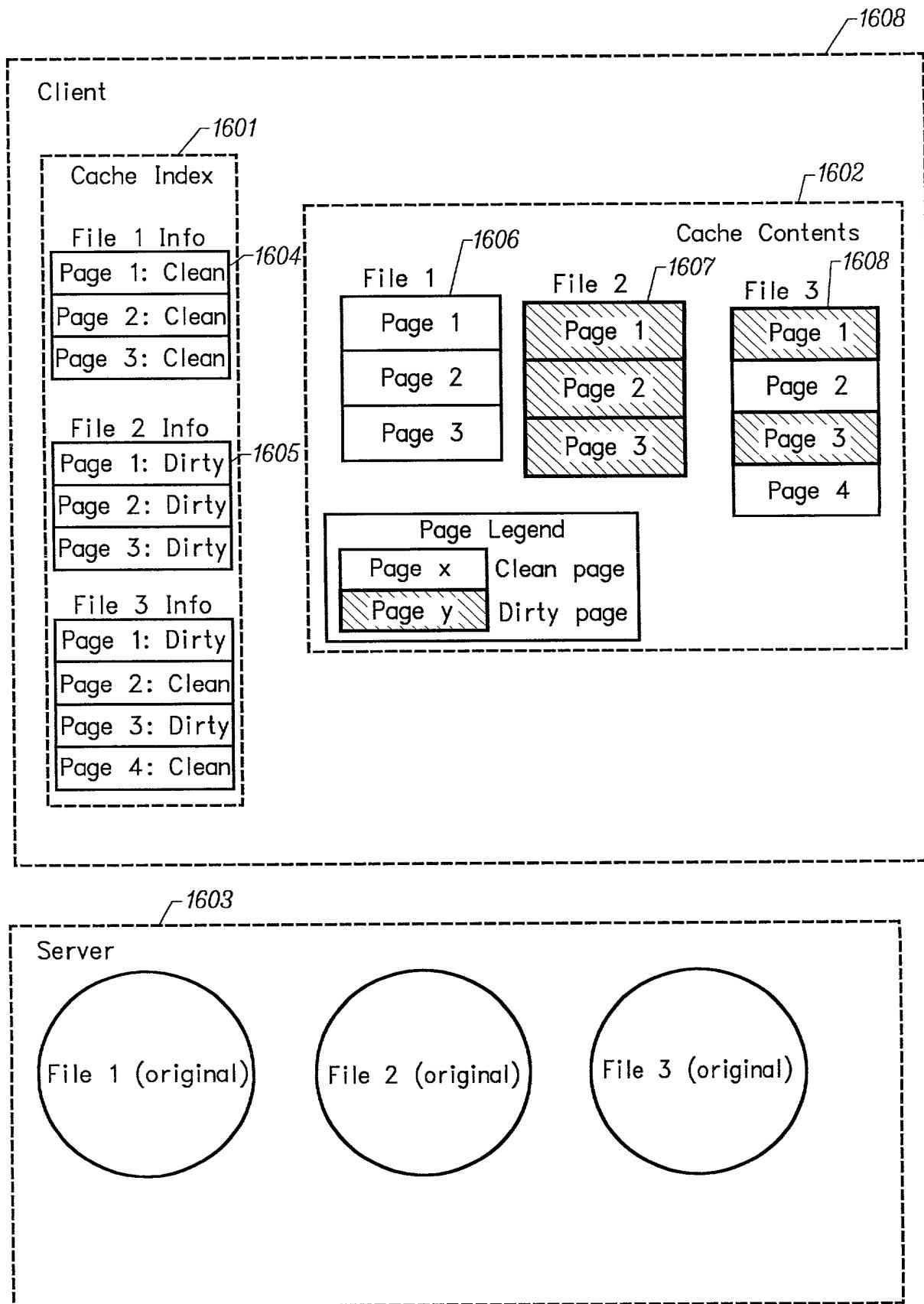


FIG. 16

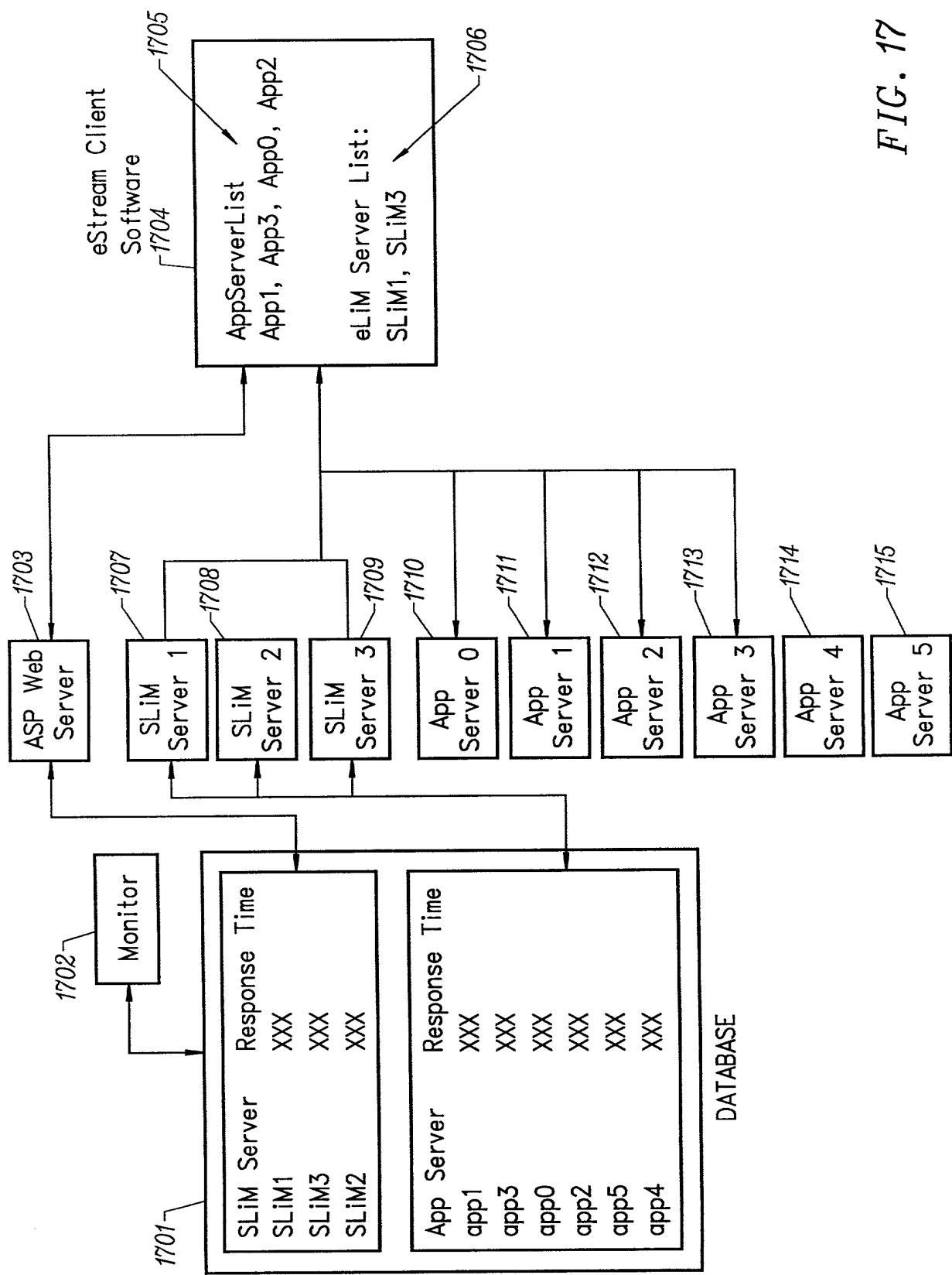
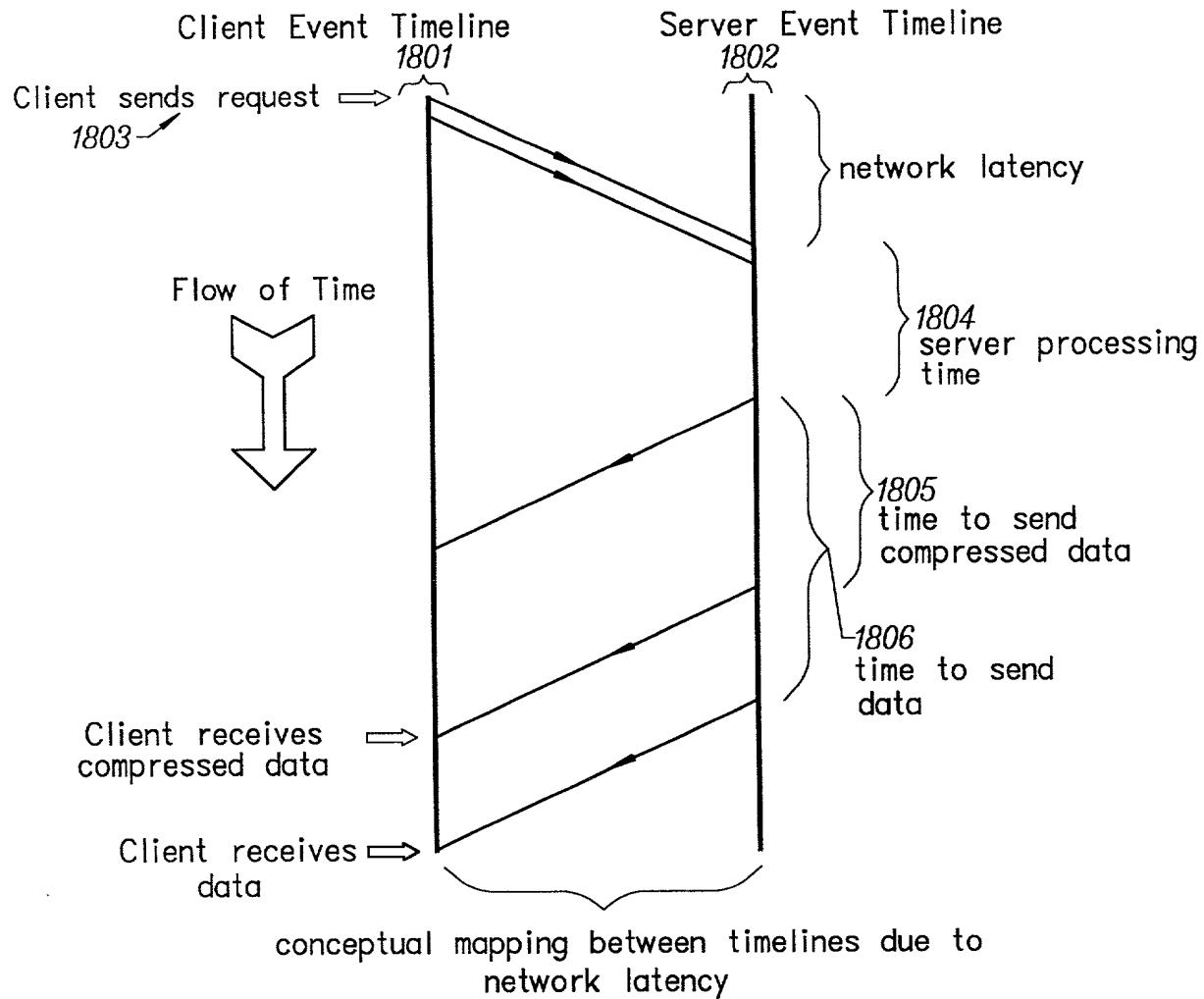


FIG. 17



Client receives data sooner if it is compressed

FIG. 18

Pre-Compression

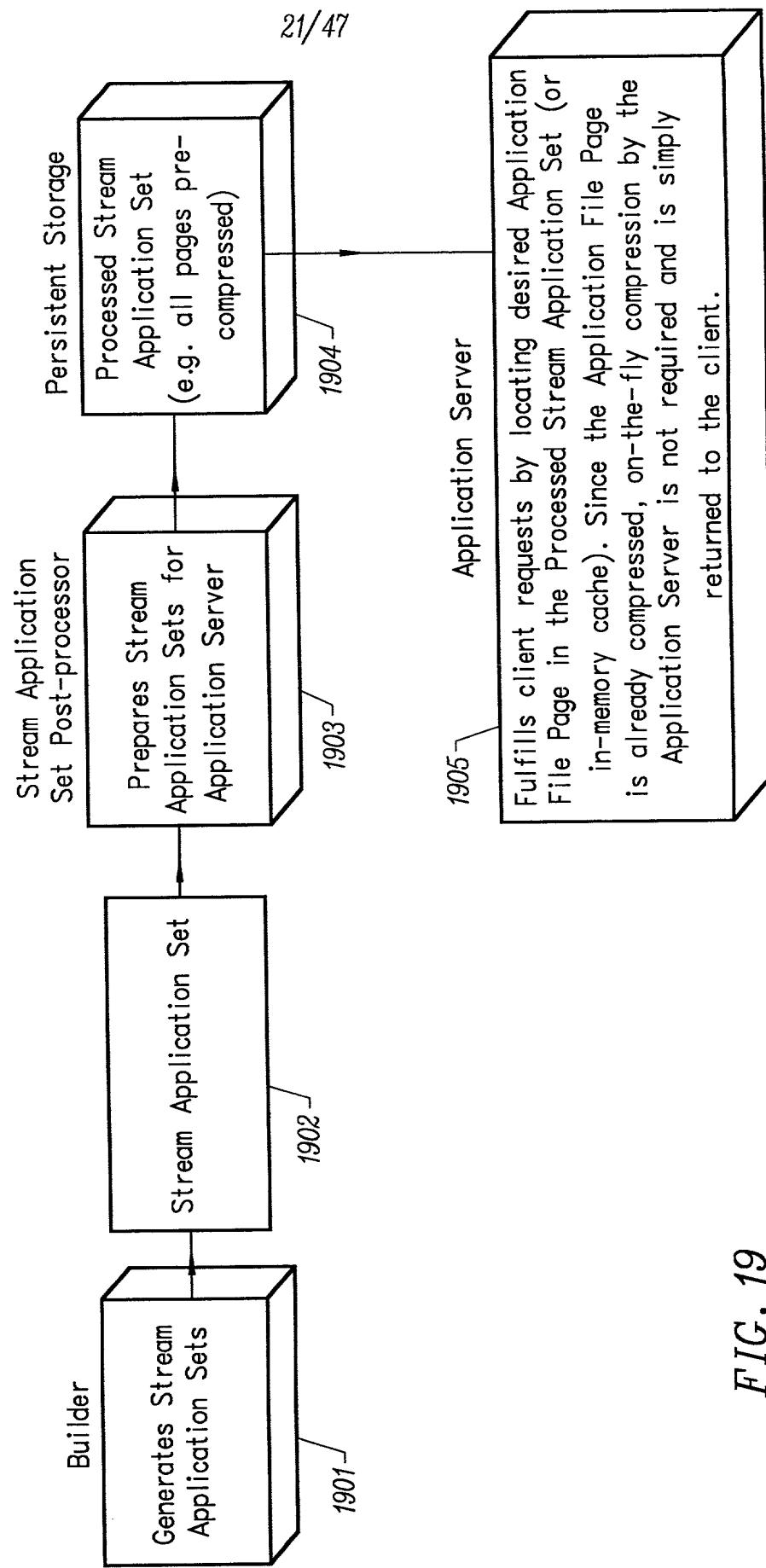


FIG. 19

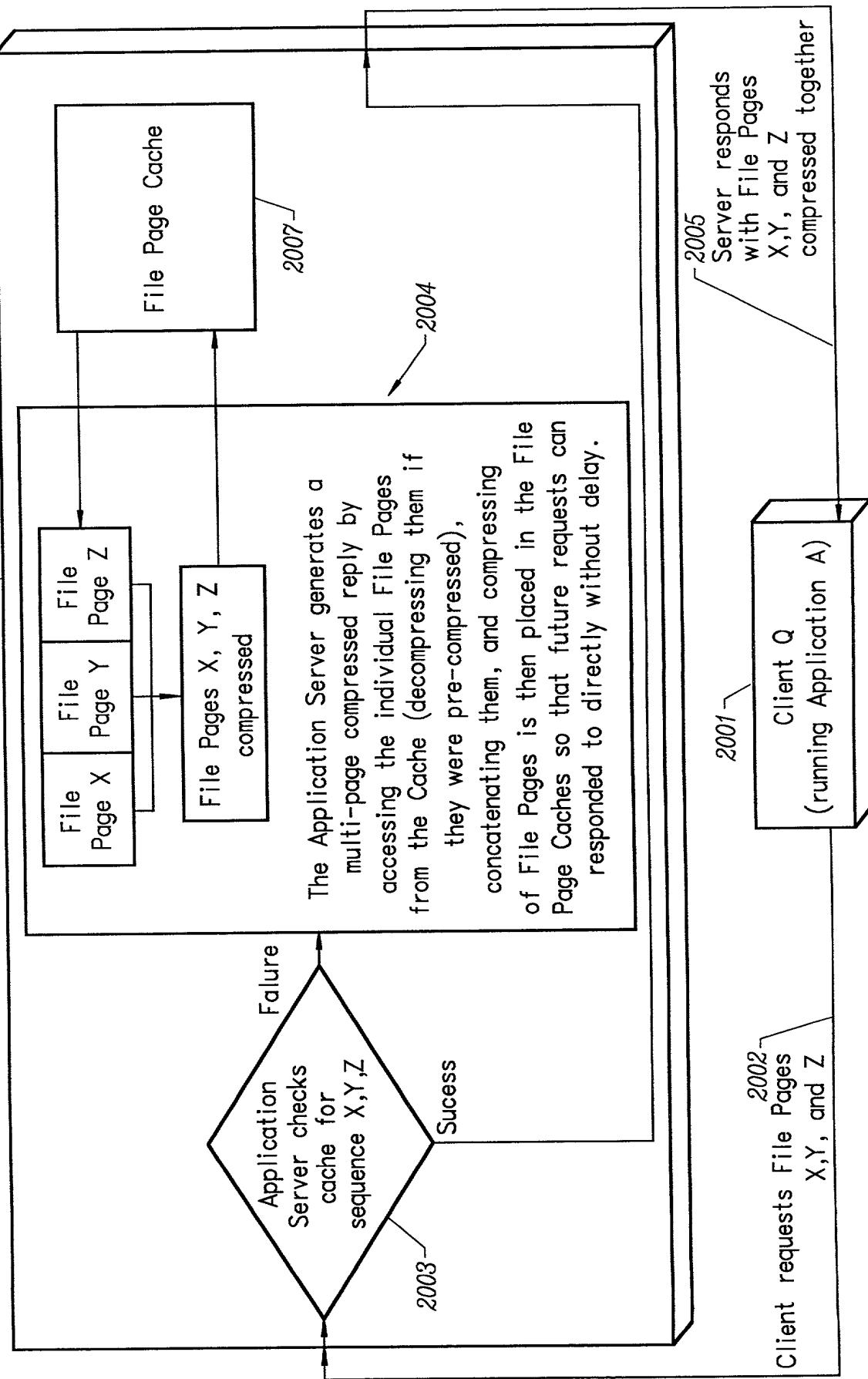
FIG. 20

Multi-Page Compression

Application Server

2006

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Profile-based Prefetching

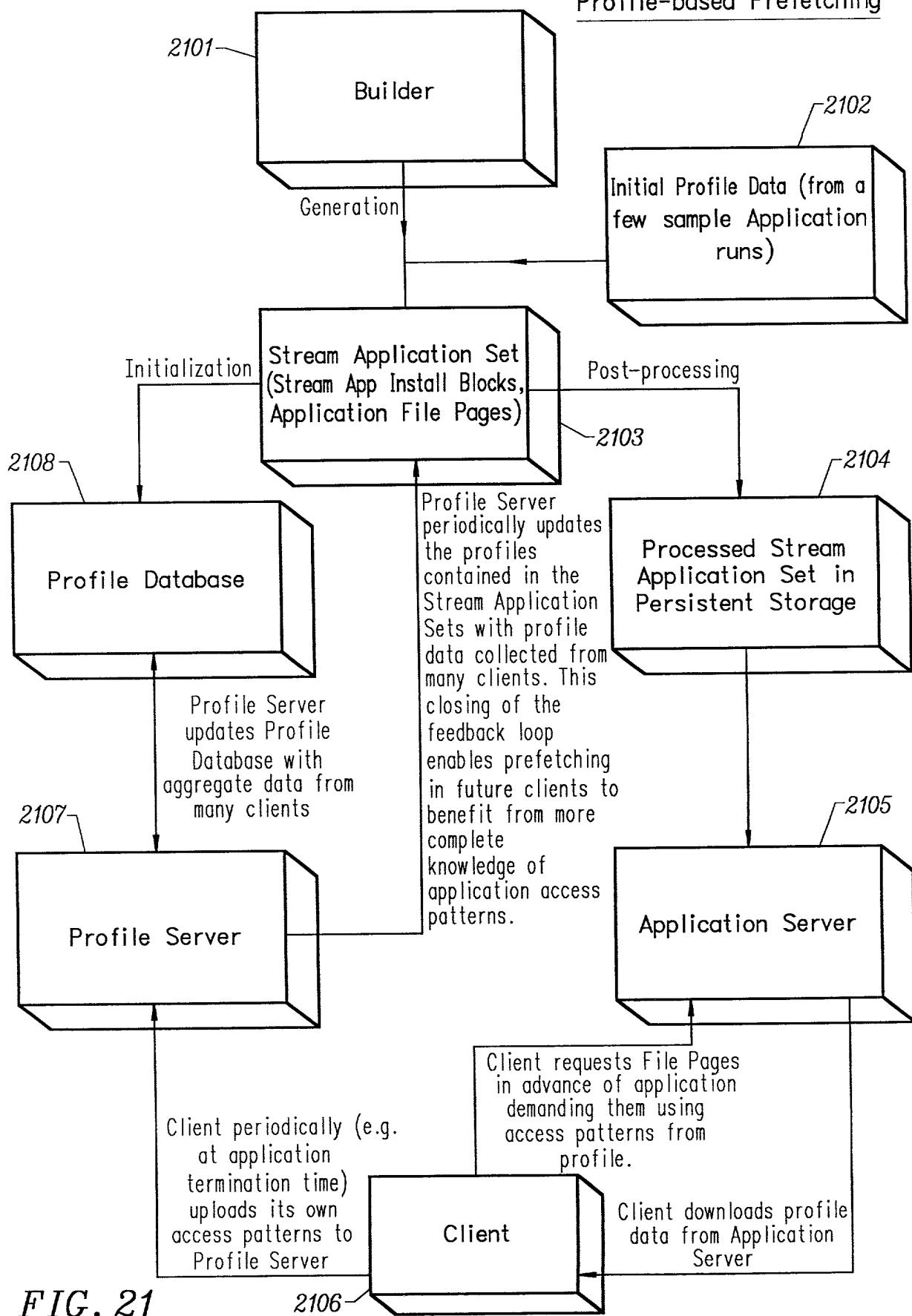


FIG. 21

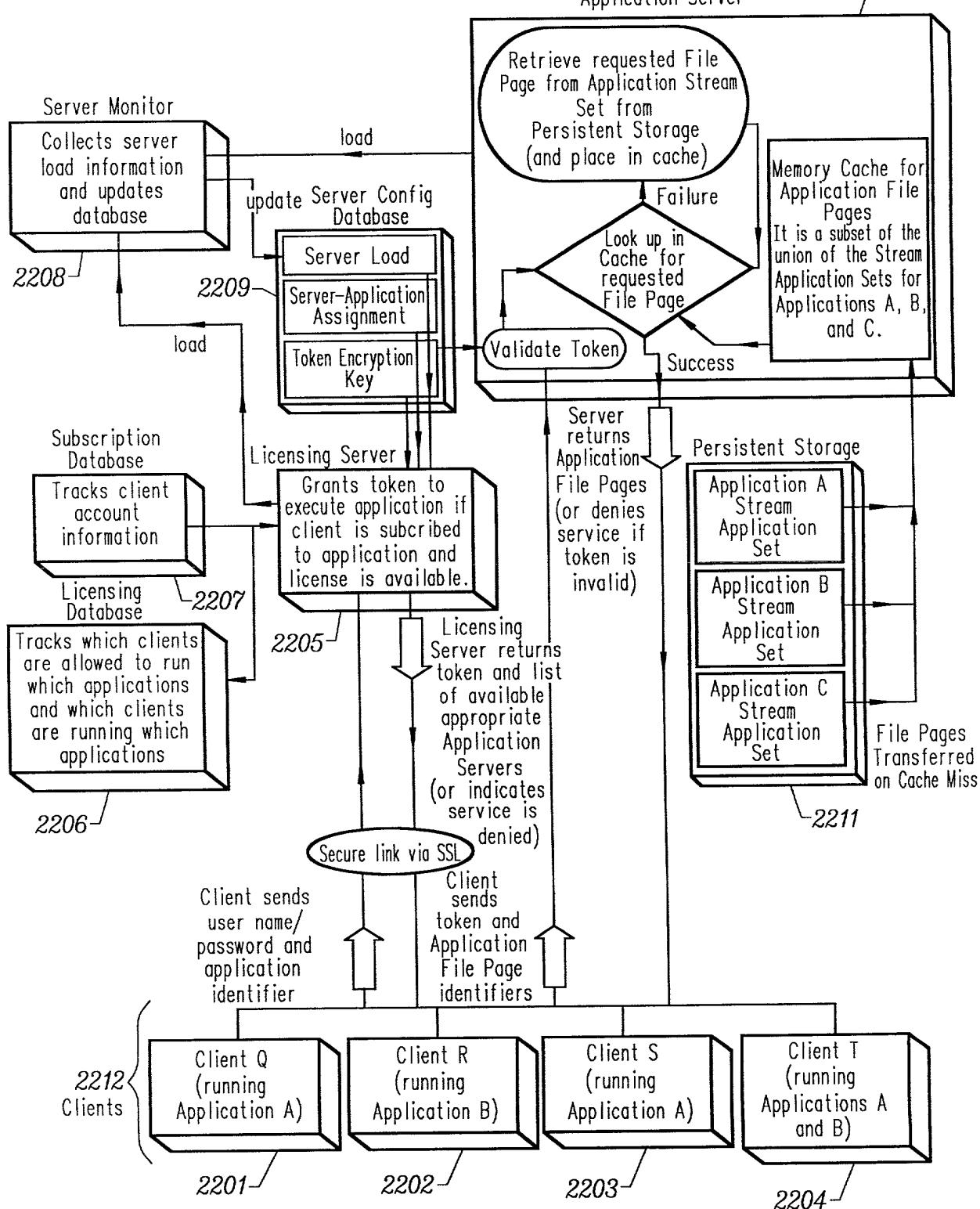


FIG. 22

Builder Install Monitor (IM) Control Flow Diagram

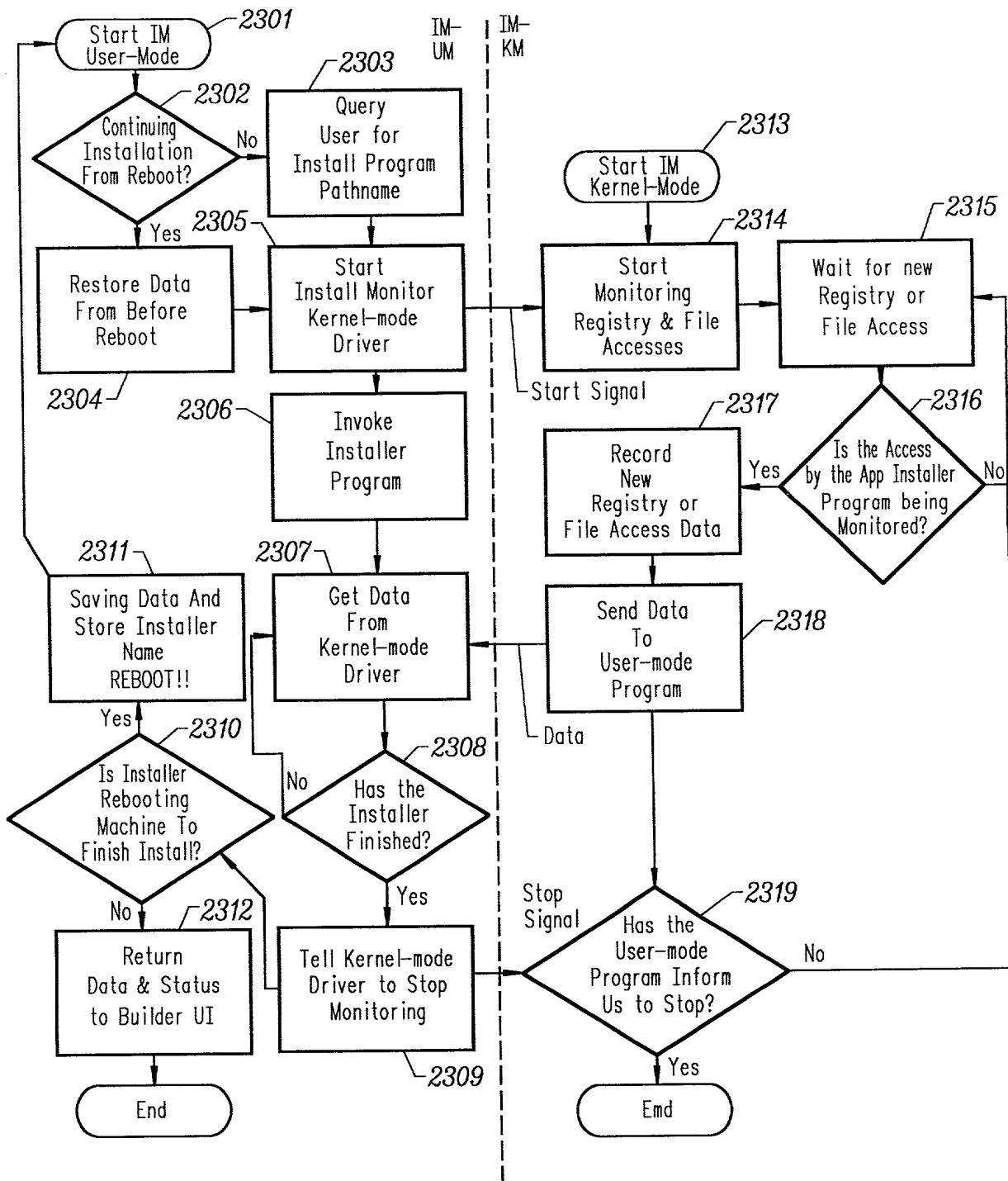


FIG. 23

Builder Application Profiler (AP) Control Flow Diagram

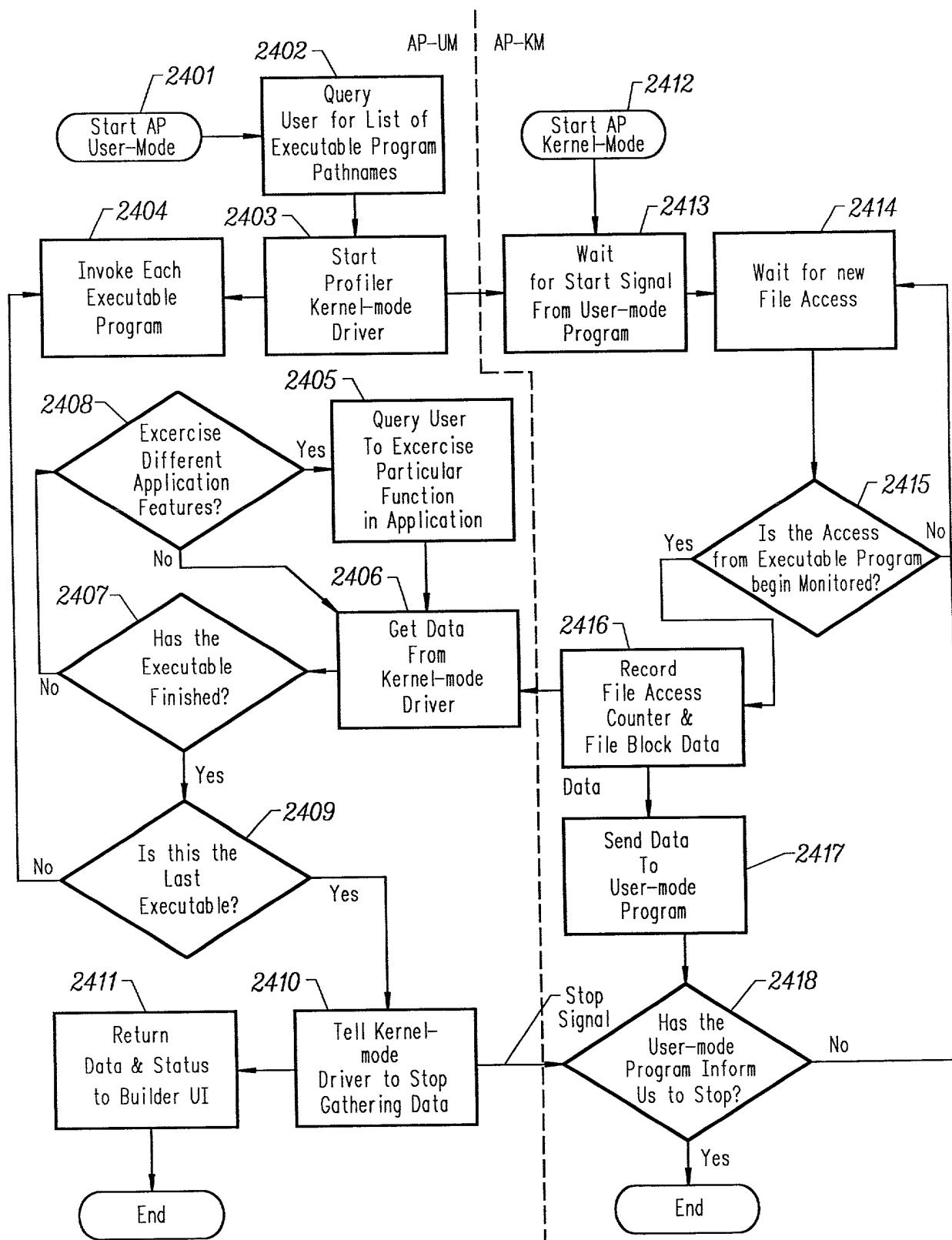


FIG. 24

Builder SAS Packager (SP) Control Flow Diagram

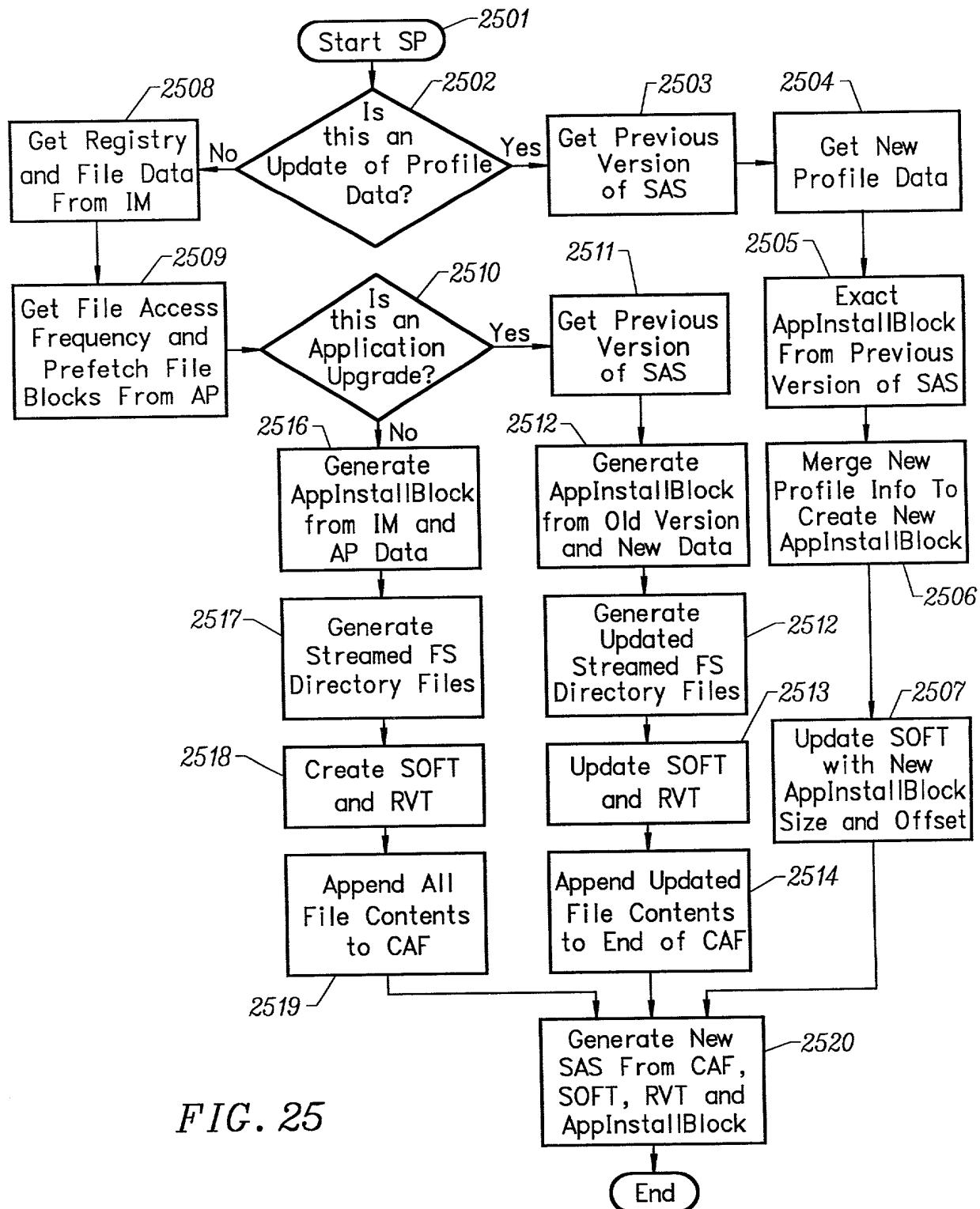


FIG. 25

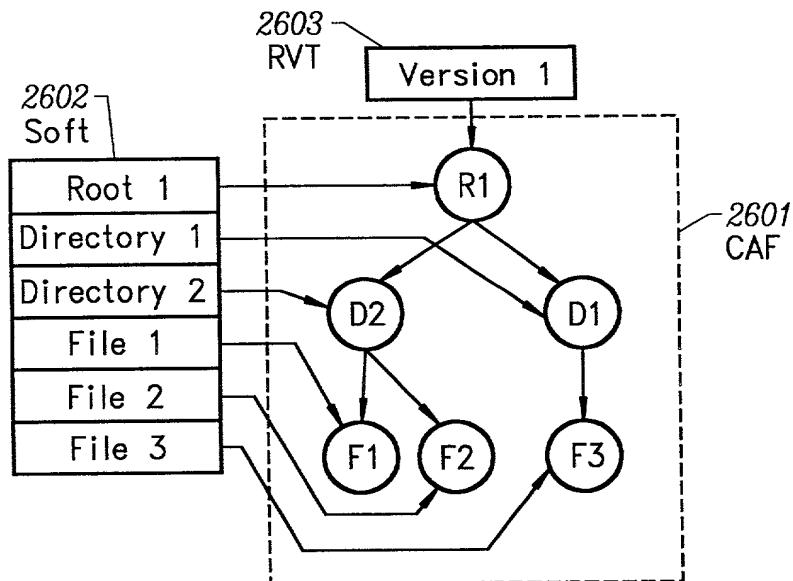


FIG. 26A

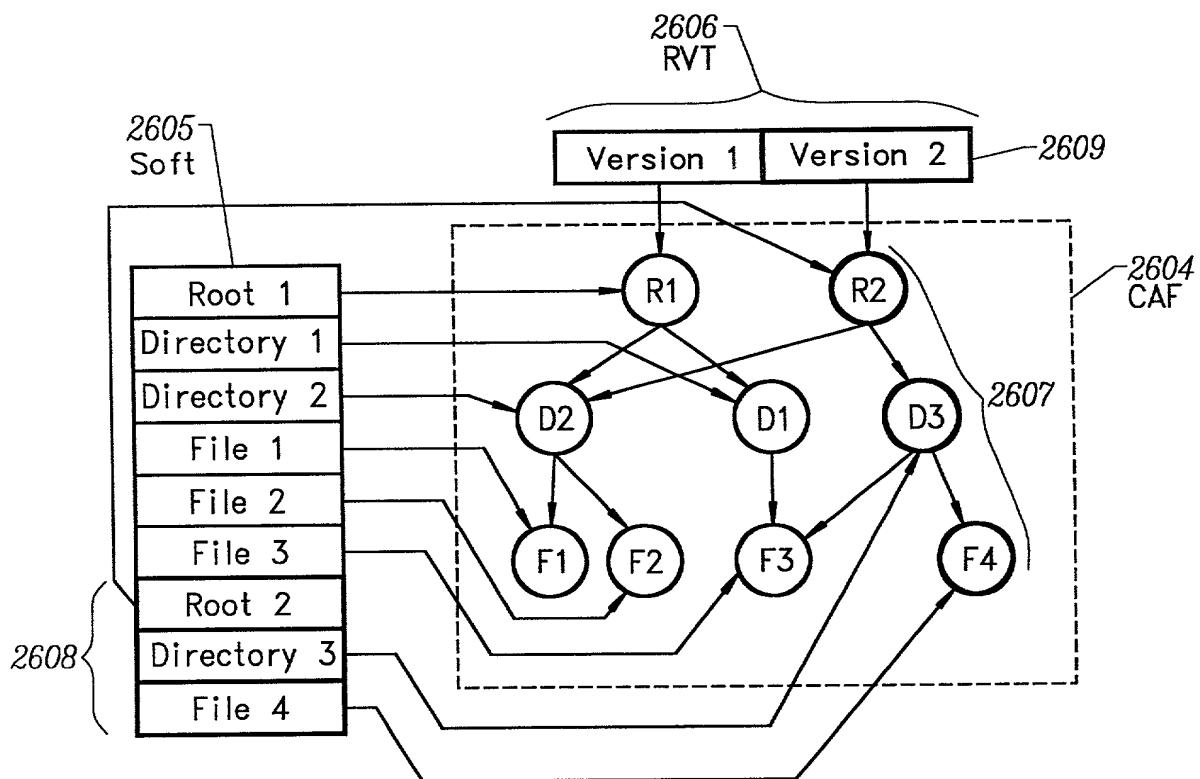


FIG. 26B

Streamed Application Set (SAS) Builder Data Flow Diagram

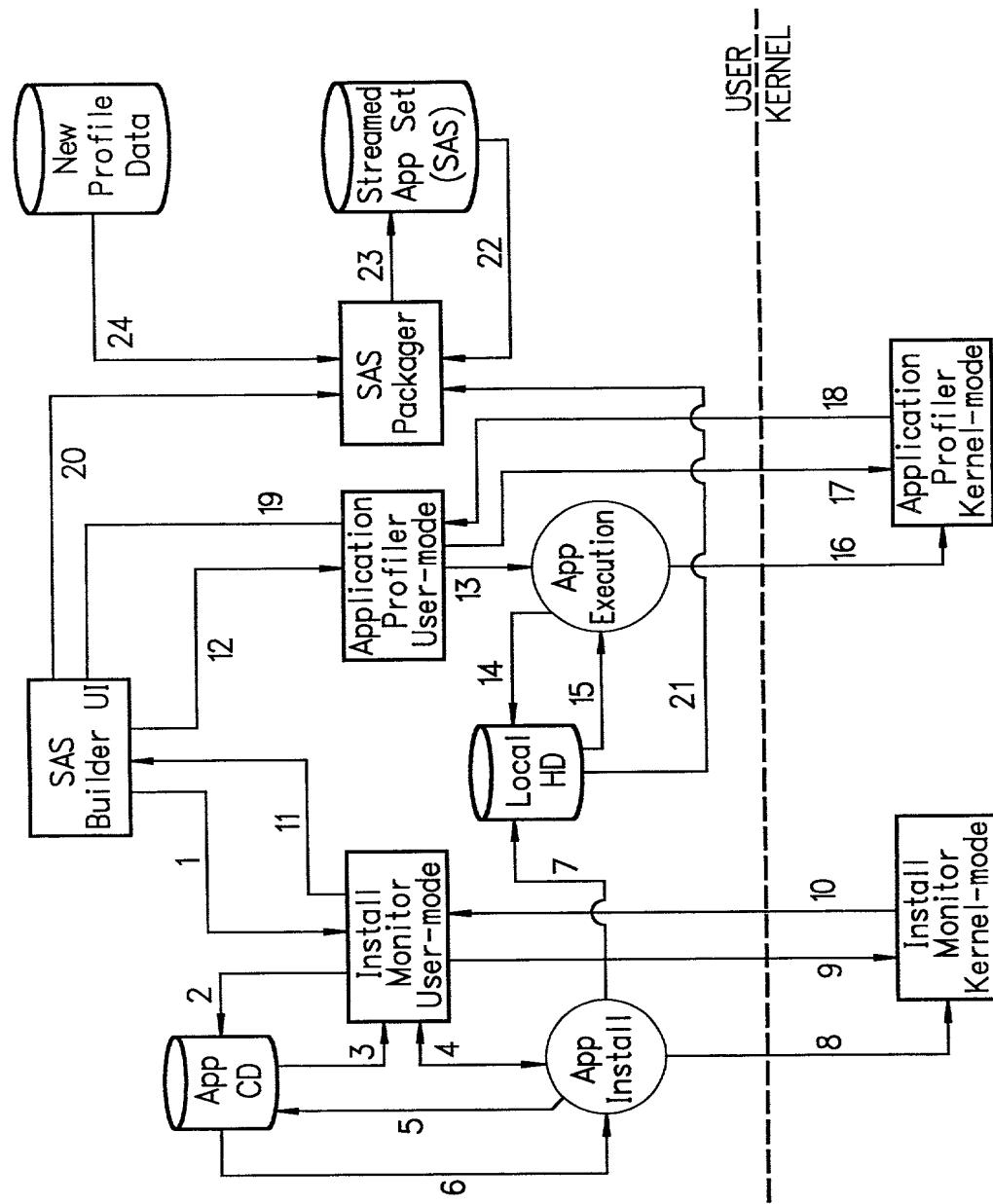


FIG. 27

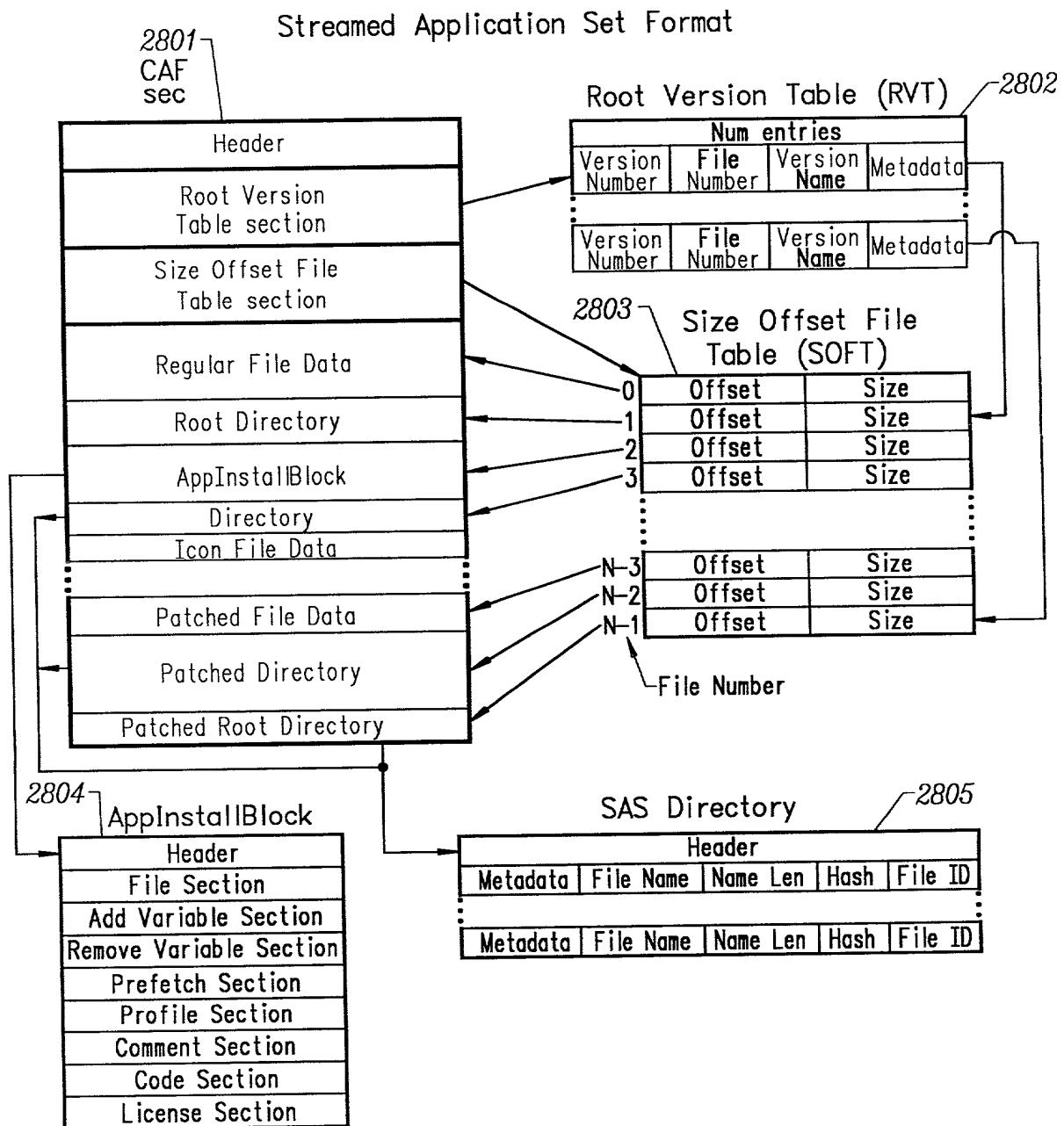


FIG. 28

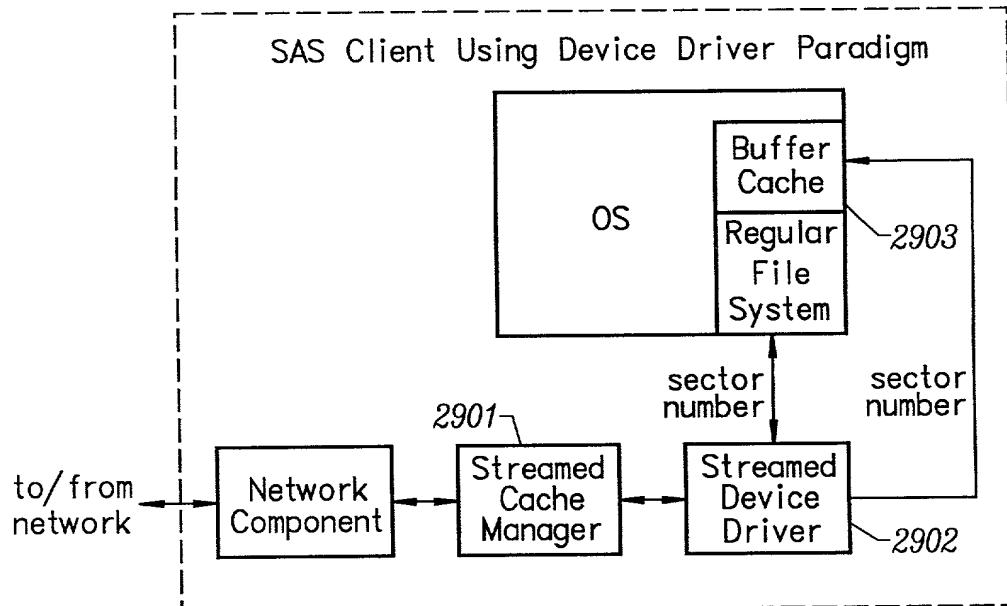


FIG. 29

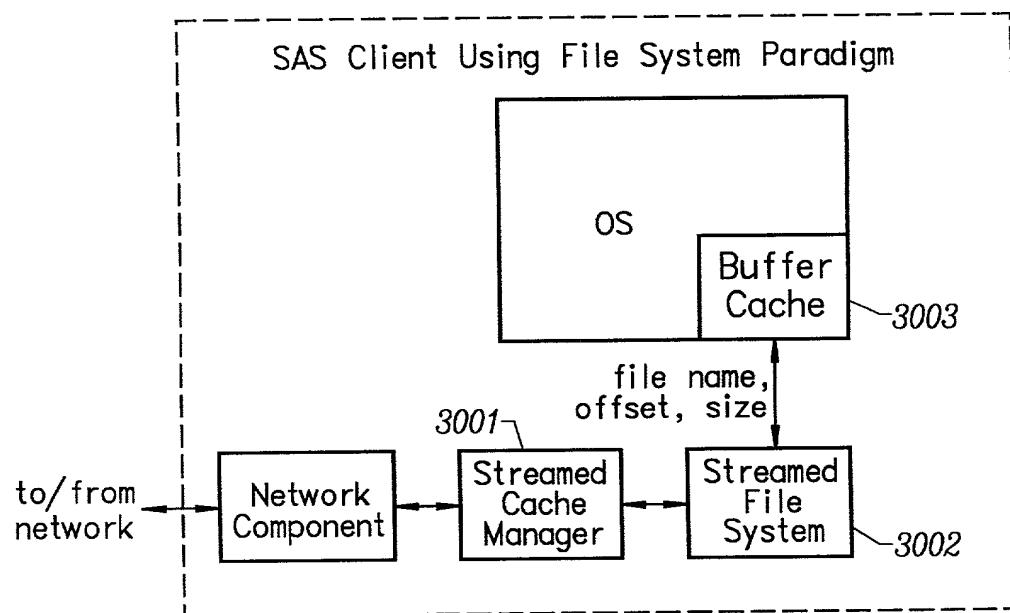


FIG. 30

0 4 8 12 16 bytes

| | | | | |
|-----------------------|-----------------|------------------------|-----------------------|--|
| A/B Version | | AppID (GUID) | | |
| AppID cont. | | Version No | Client OS bitmap | Client OS ServicePack |
| Header Byte Size | Number Sections | Section 1 Type (Files) | Section 1 Byte Offset | Section 1 Byte Size |
| Section 2 (Registry) | | Section 2 Byte Offset | Section 2 Byte Size | Section 3 (Prefetch) |
| Section 3 Byte Offset | | Section 3 Byte Size | Section 4 (Profile) | Section 4 Byte Offset |
| Section 4 Byte Size | | Section 5 (Comments) | Section 5 Byte Offset | Section 5 Byte Size |
| Section 6 (Code) | | Section 6 Byte Offset | Section 6 Byte Size | App Name Length Application Name (x bytes) |

3101 Header

FIG. 31A

Section 1
Offset

0 4 8 x bytes

| | | | | |
|---------------------------|--------------|------------------------|--------------------------|---------------------|
| Flags | NumChildren | Directory Name Length | Directory Name (x bytes) | |
| Flags | File version | File Name Length | Data Length | File Name (x bytes) |
| File Name (x bytes) cont. | | Data Content (x bytes) | | |

3102 File

FIG. 31B

Section 2
Offset

0 4 8 x bytes

| | | | | | |
|------------|-----------------|-------------------|----------------------|----------------------|----------------------|
| Exist File | Number Children | Value Type | Key Name Length | Key Name (x bytes) | Value Data (x bytes) |
| Key Flag | Value Type | Value Name Length | Value Name (x bytes) | Value Data (x bytes) | 3103 Add/ Remove Reg |

FIG. 31C

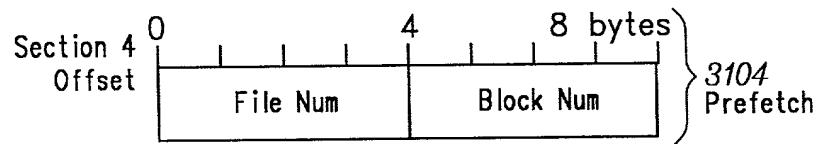


FIG. 31D

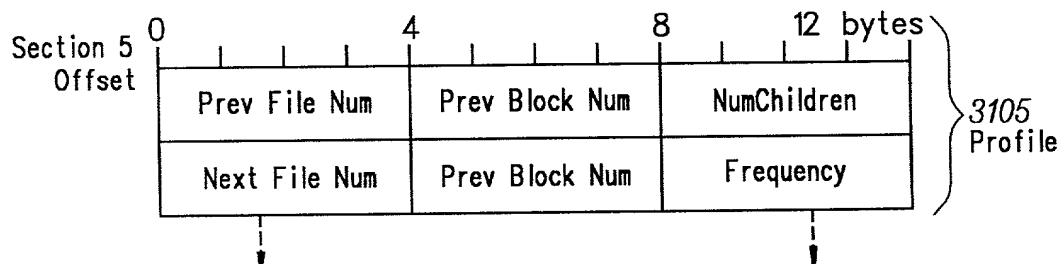


FIG. 31E

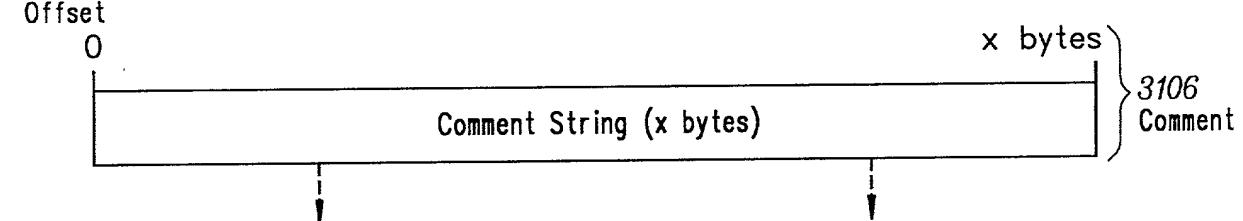


FIG. 31F

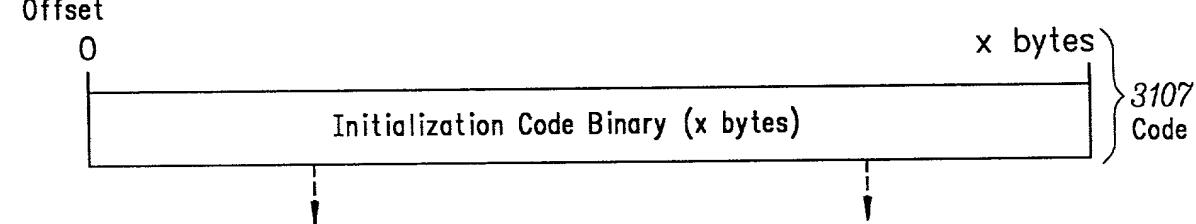


FIG. 31G

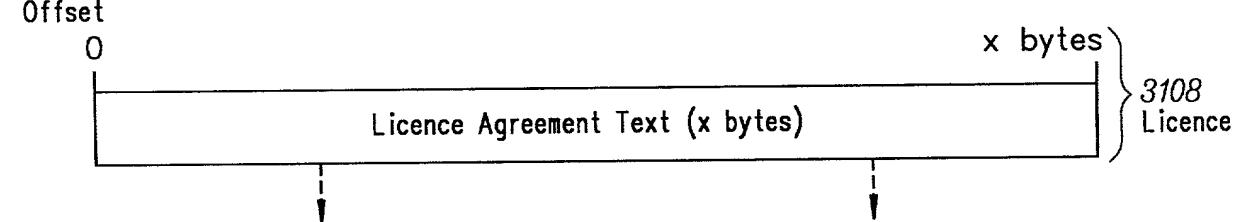


FIG. 31H

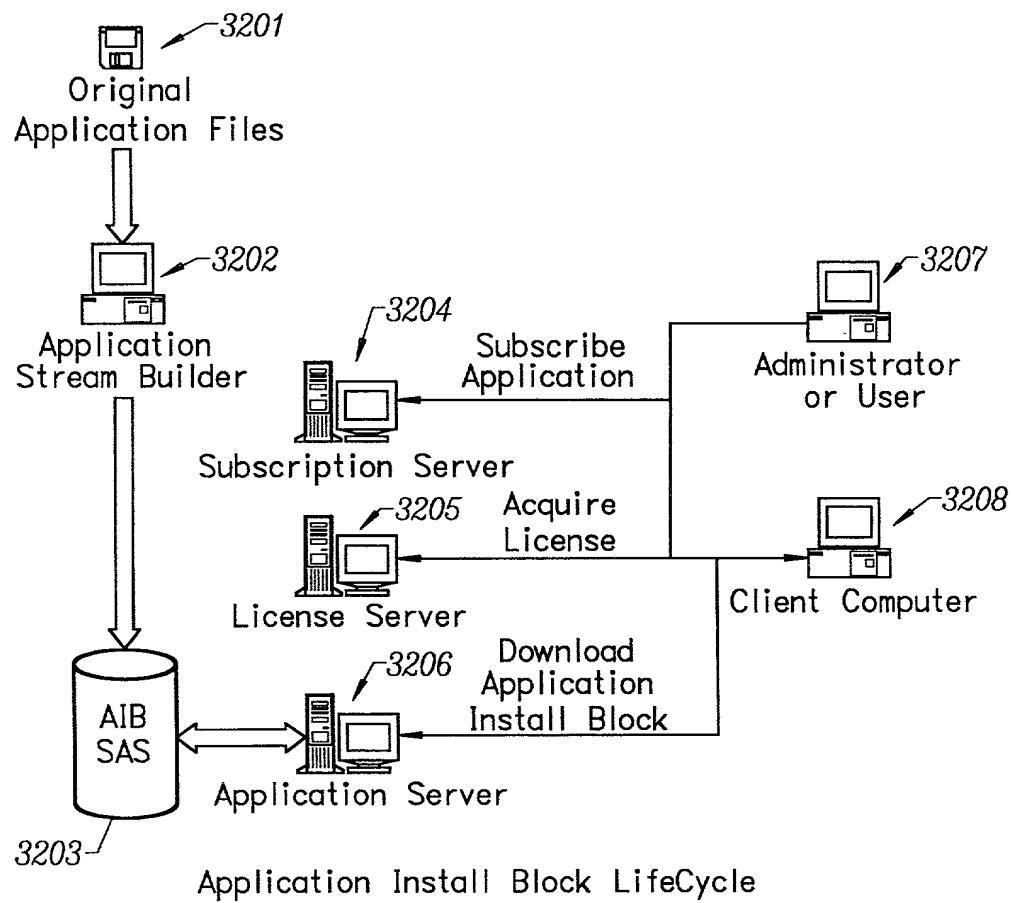


FIG. 32

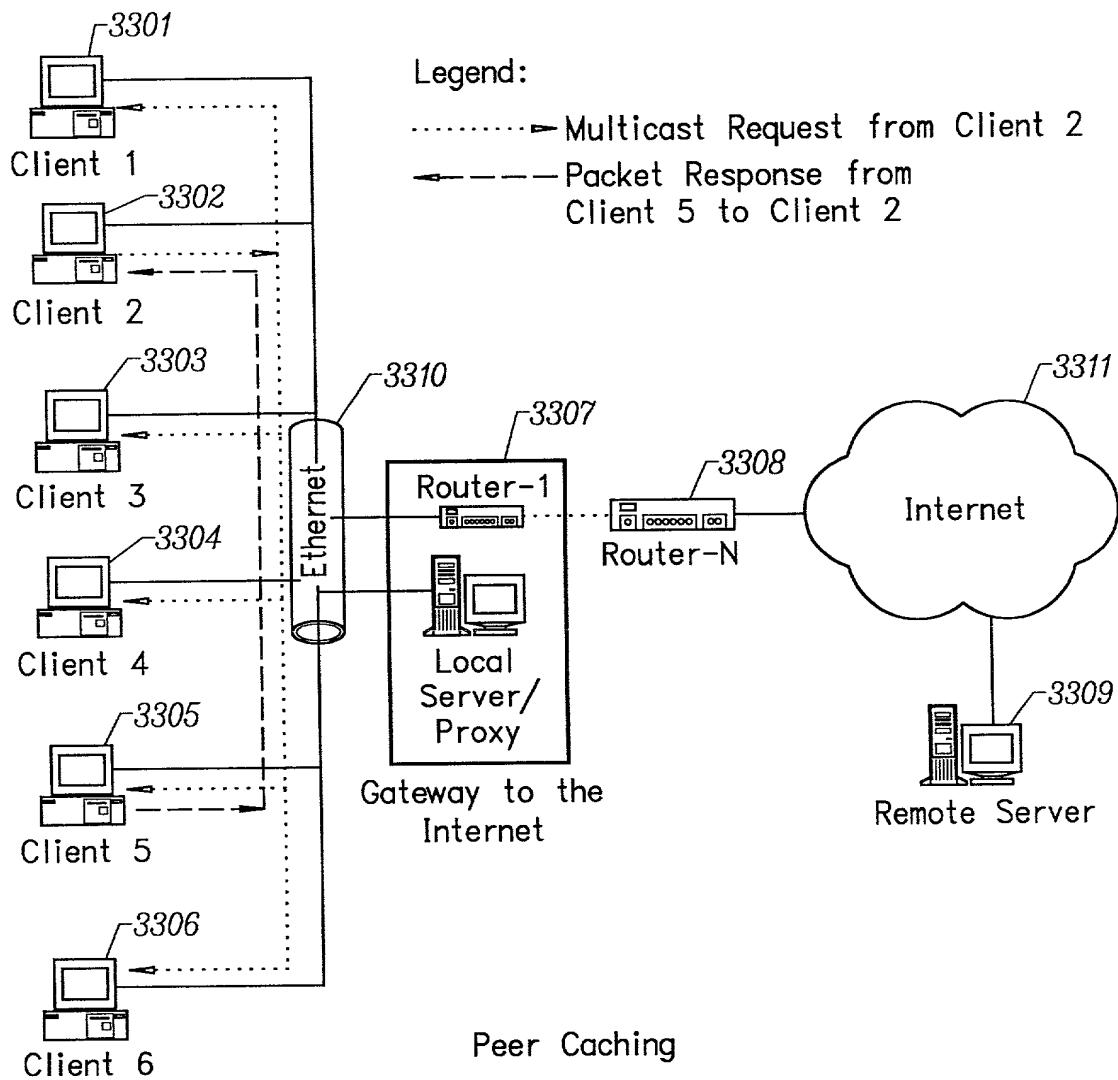


FIG. 33

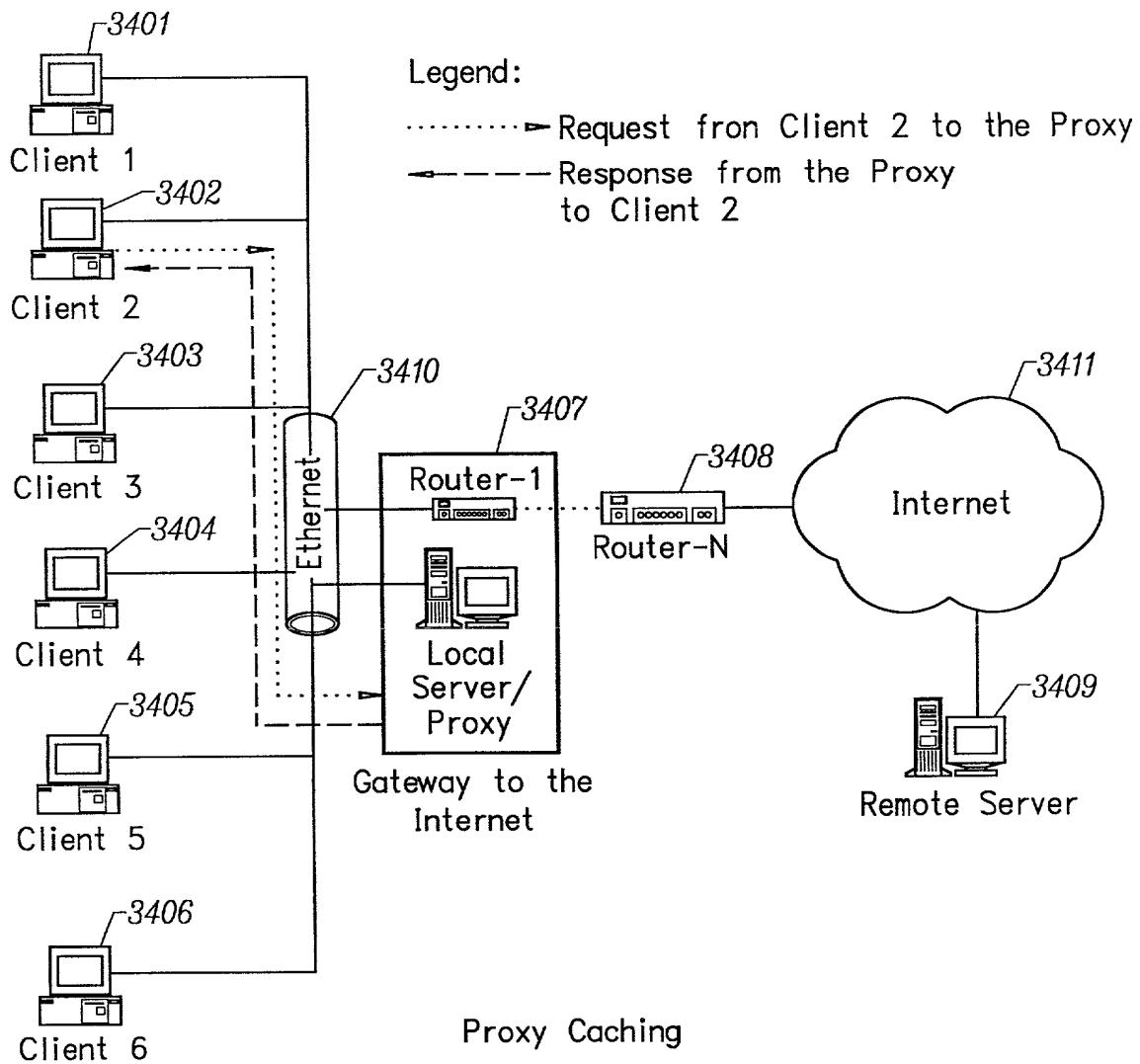


FIG. 34

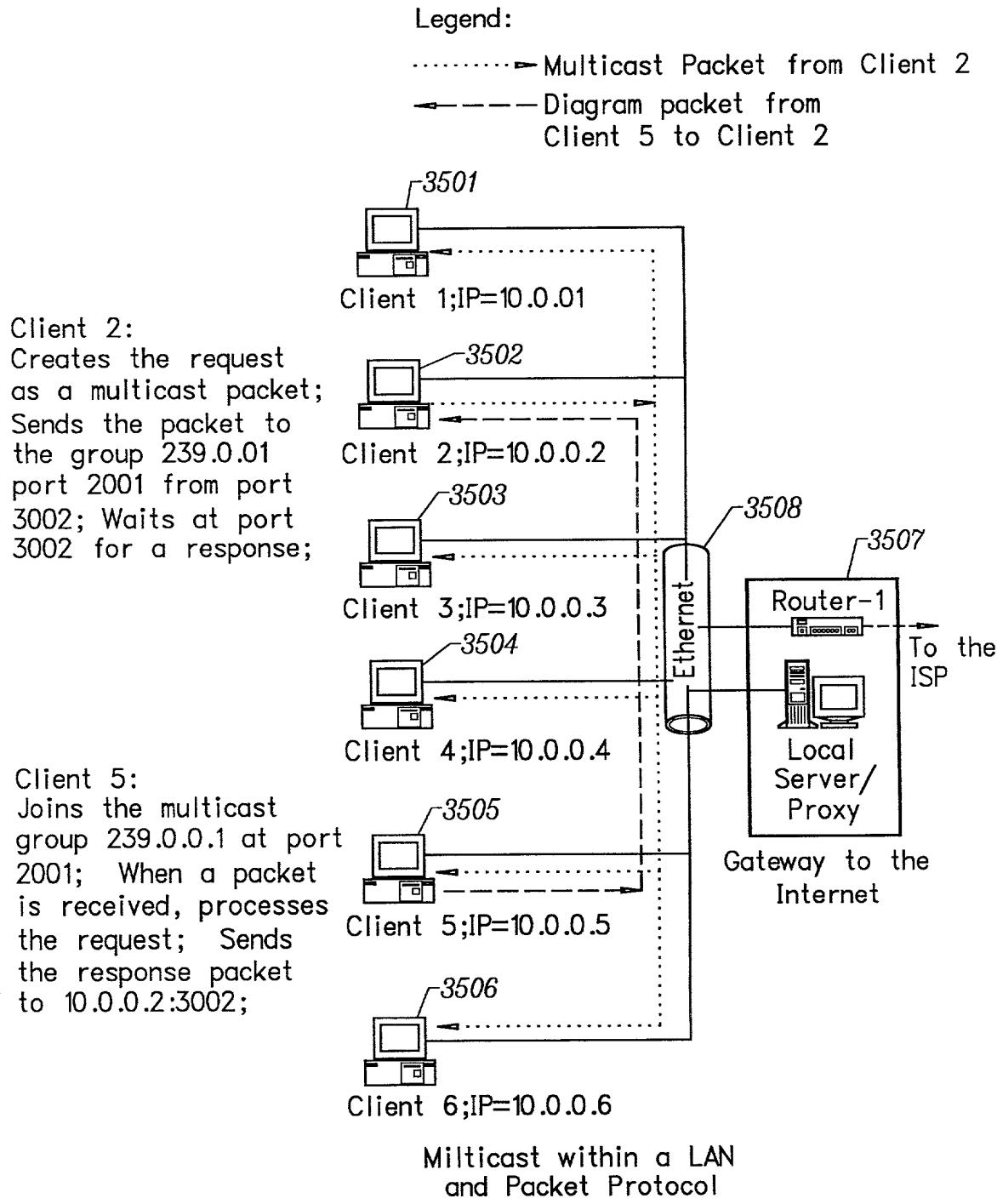
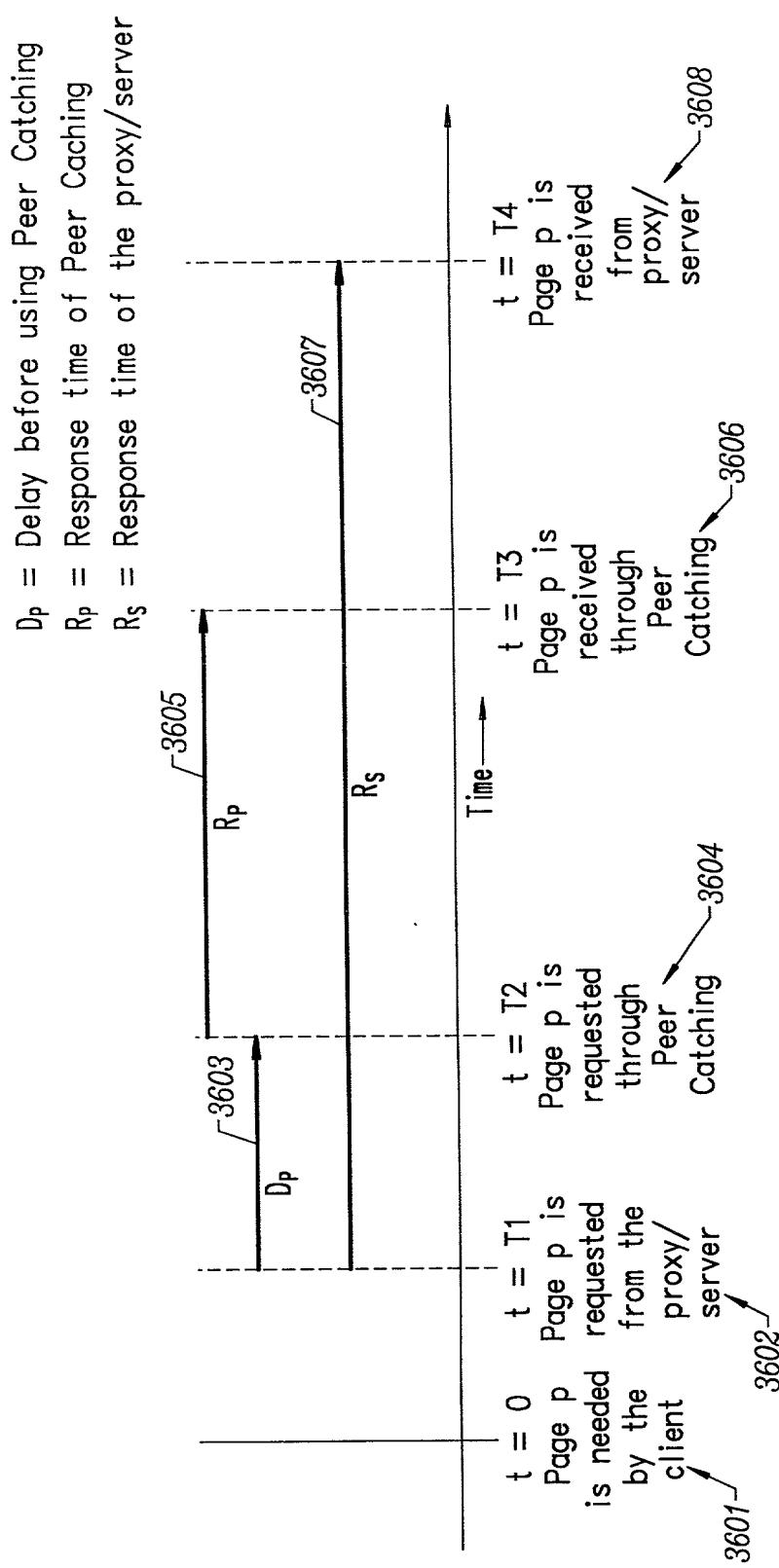
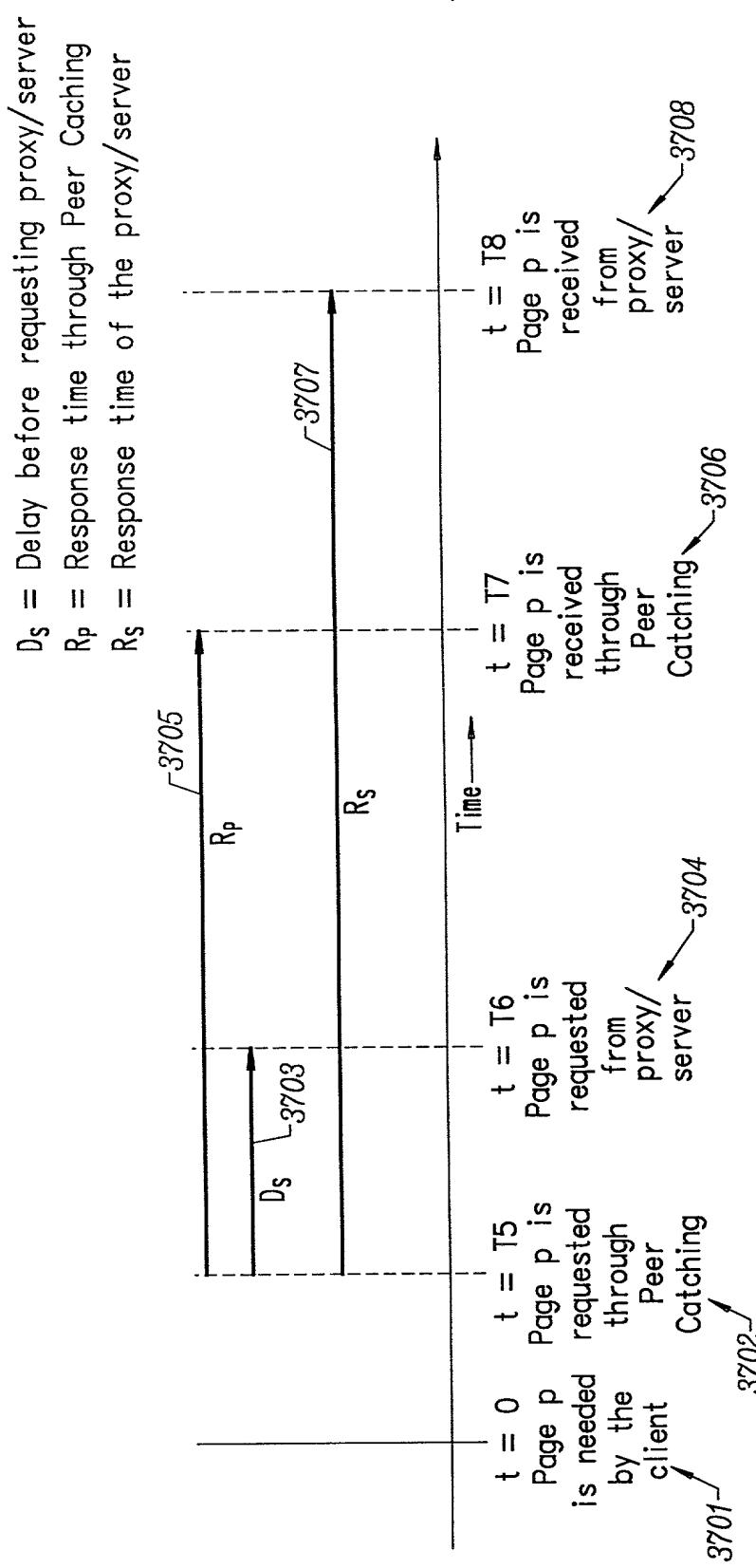


FIG. 35



Concurrent Requesting - Proxy First

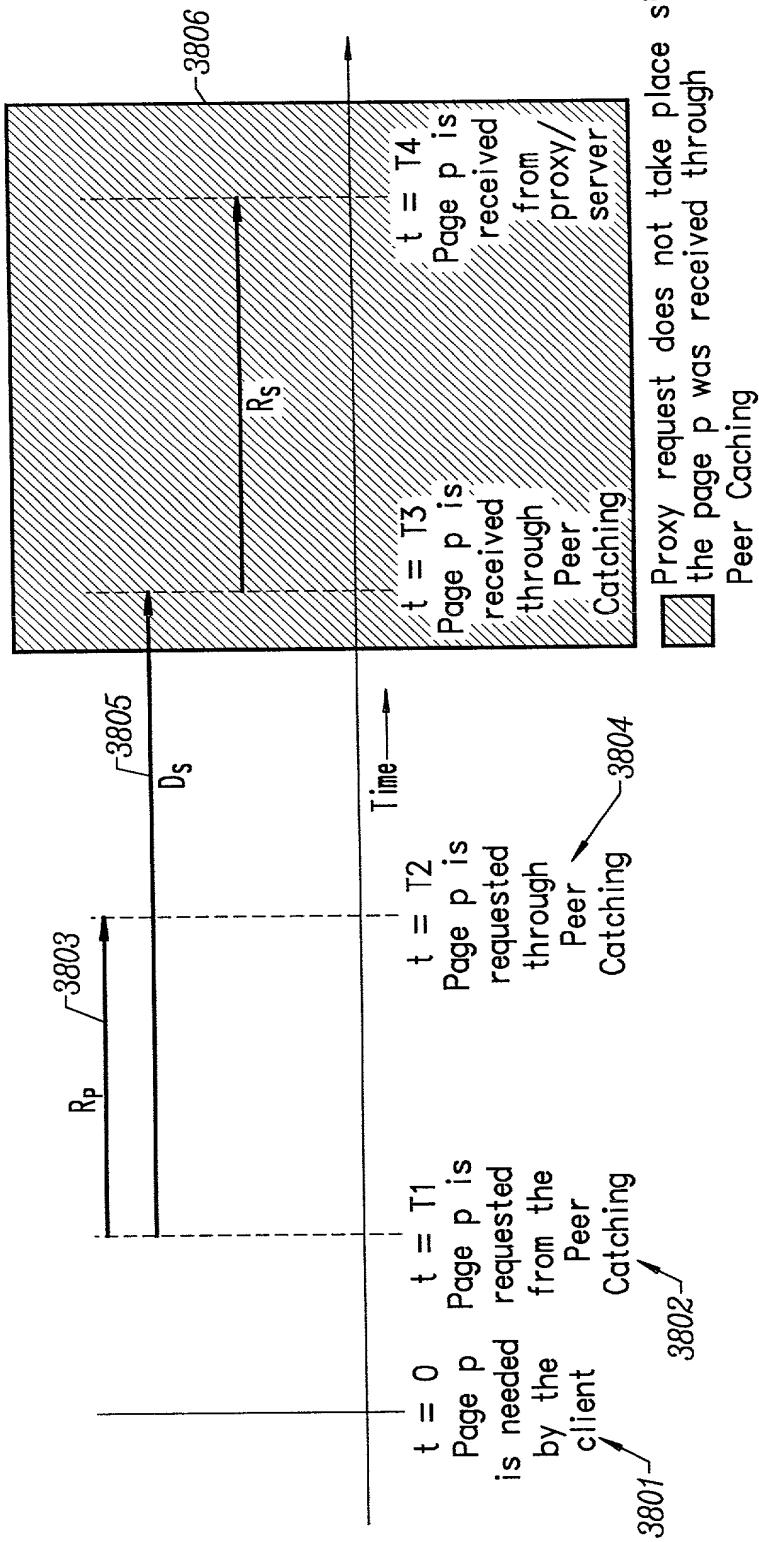
FIG. 36



Concurrent Requesting - Peer Catching First

FIG. 37

D_s = Delay before requesting proxy/server
 R_p = Response time through Peer Caching
 R_s = Response time of the proxy/server

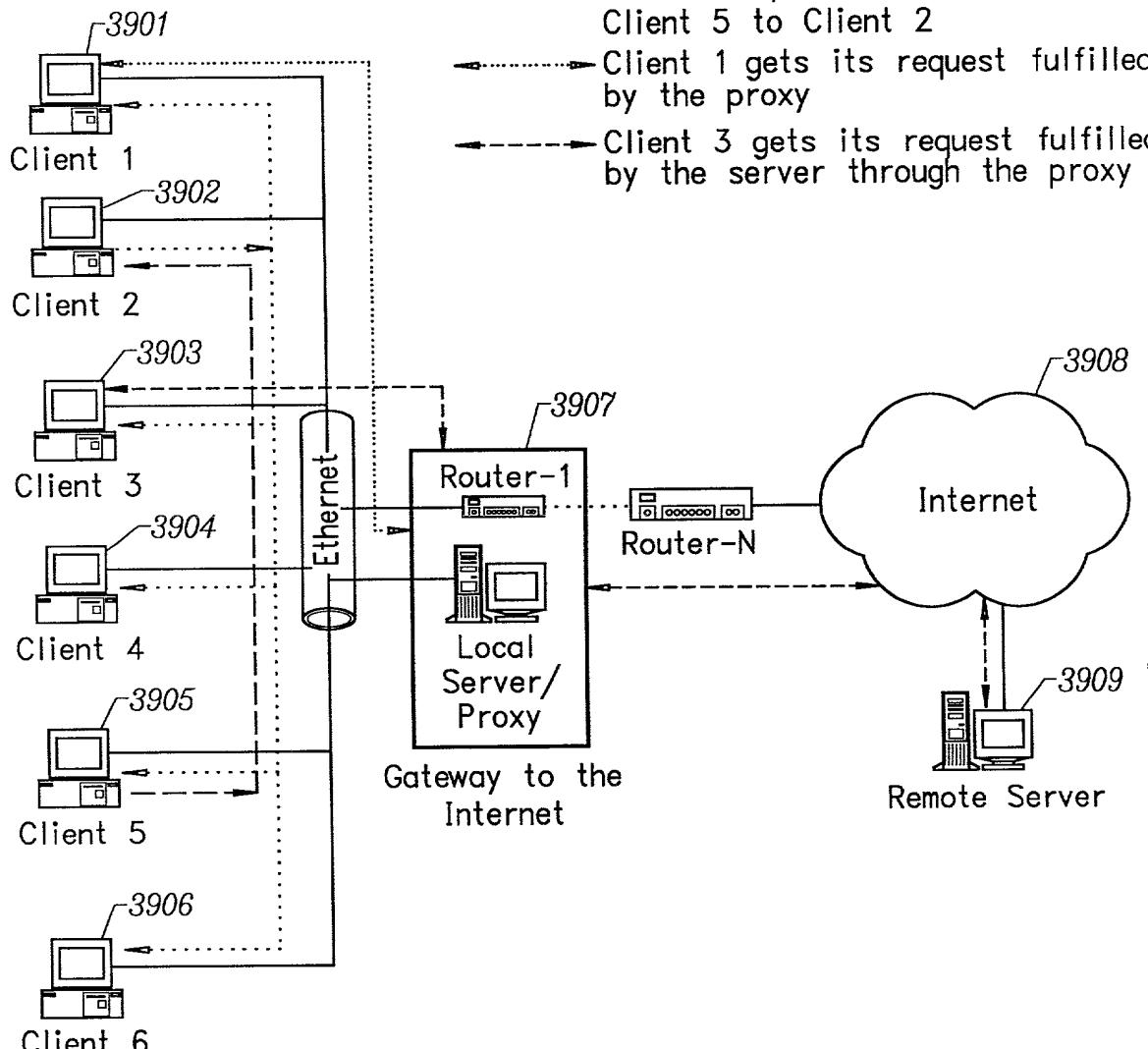


Concurrent Requesting - Peer Caching Only

FIG. 38

Legend:

- → Multicast Request from Client 2
- ← ----- Packet Response from Client 5 to Client 2
- ← ----- Client 1 gets its request fulfilled by the proxy
- ← ----- Client 3 gets its request fulfilled by the server through the proxy



Client-Server System with Peer and Proxy Caching

FIG. 39

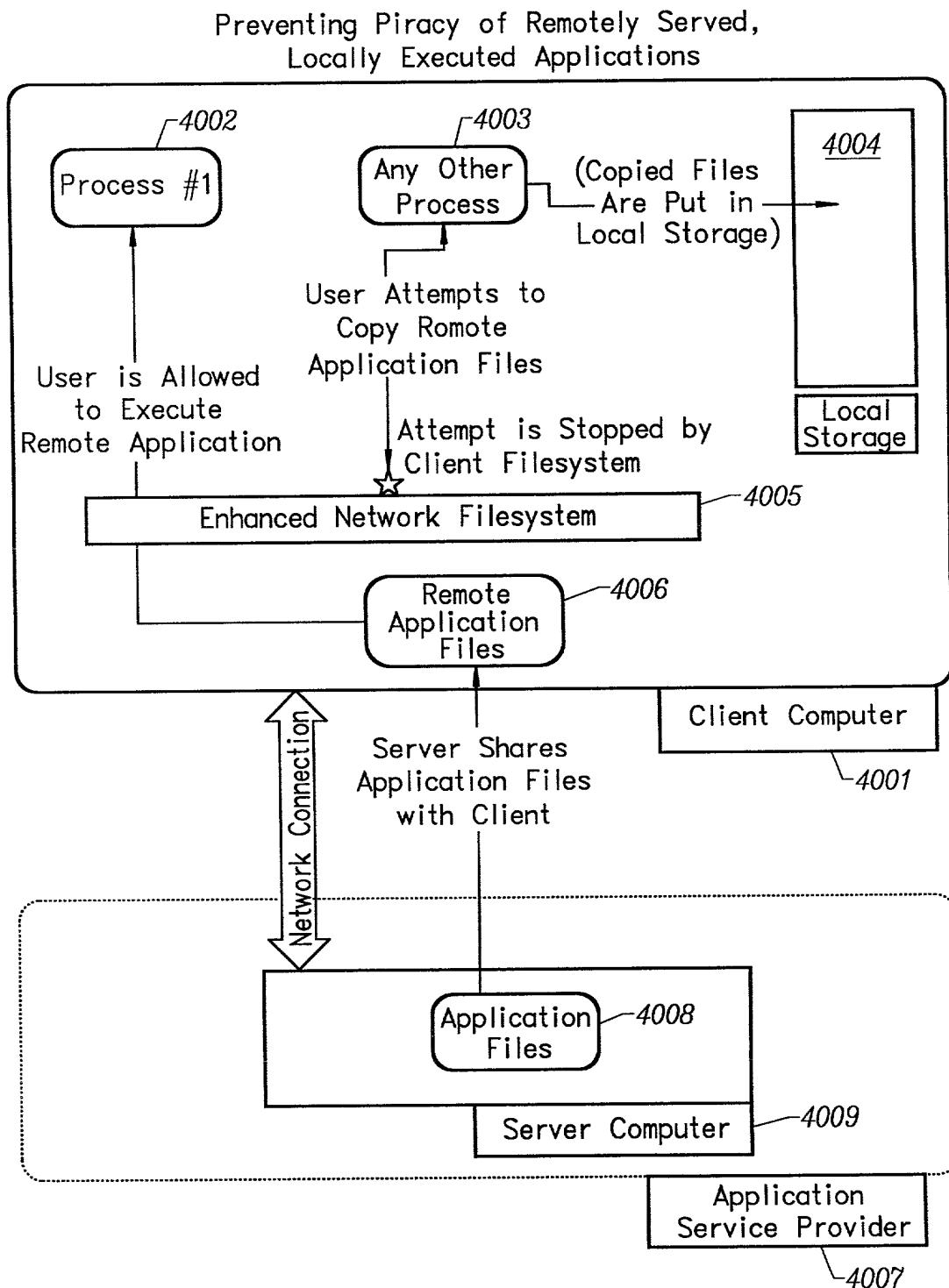


FIG. 40

Filtering of Accesses to Remote Application Files

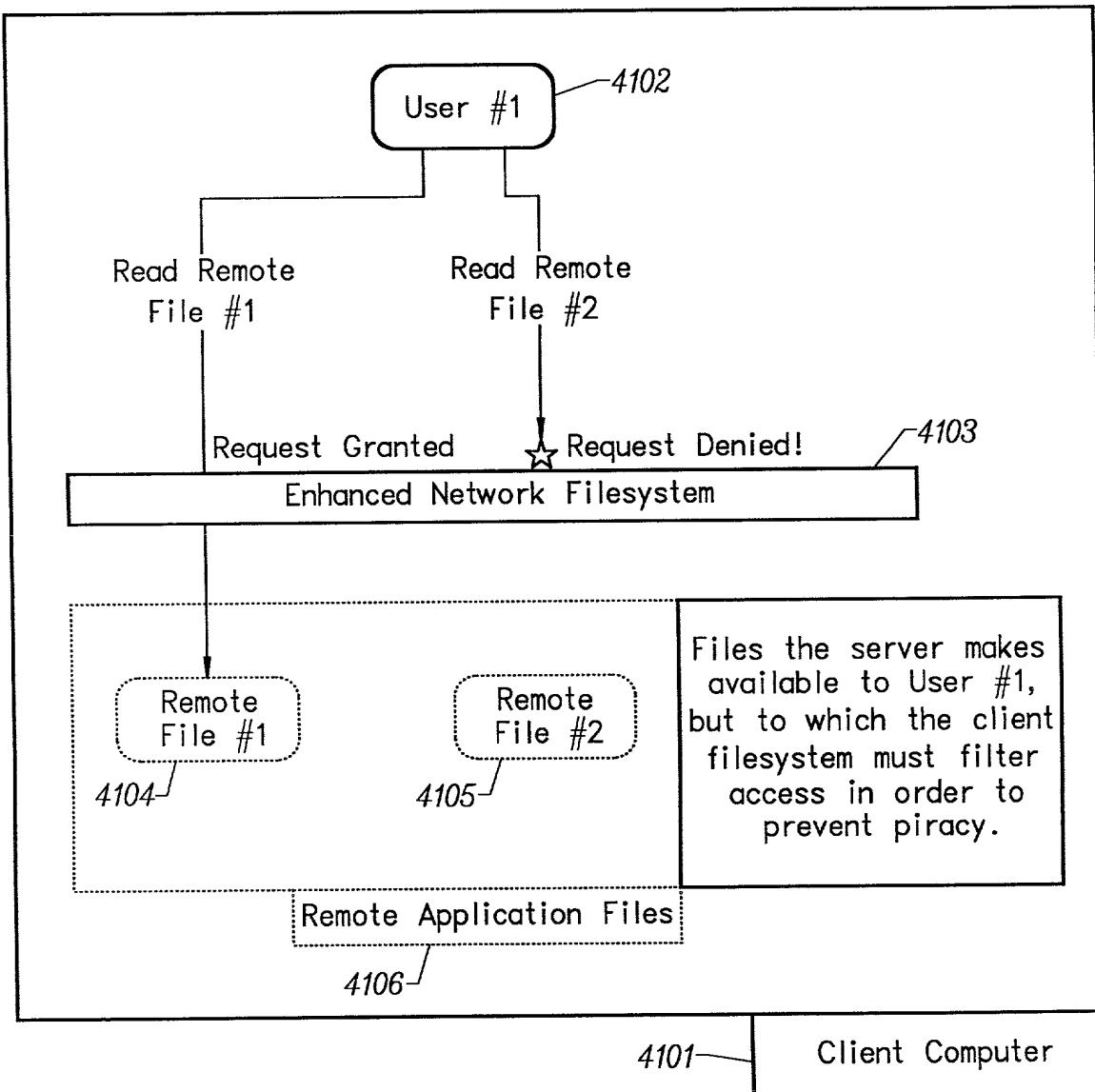


FIG. 41

Filtering of Accesses to Remote Files
Based on Process Code Location

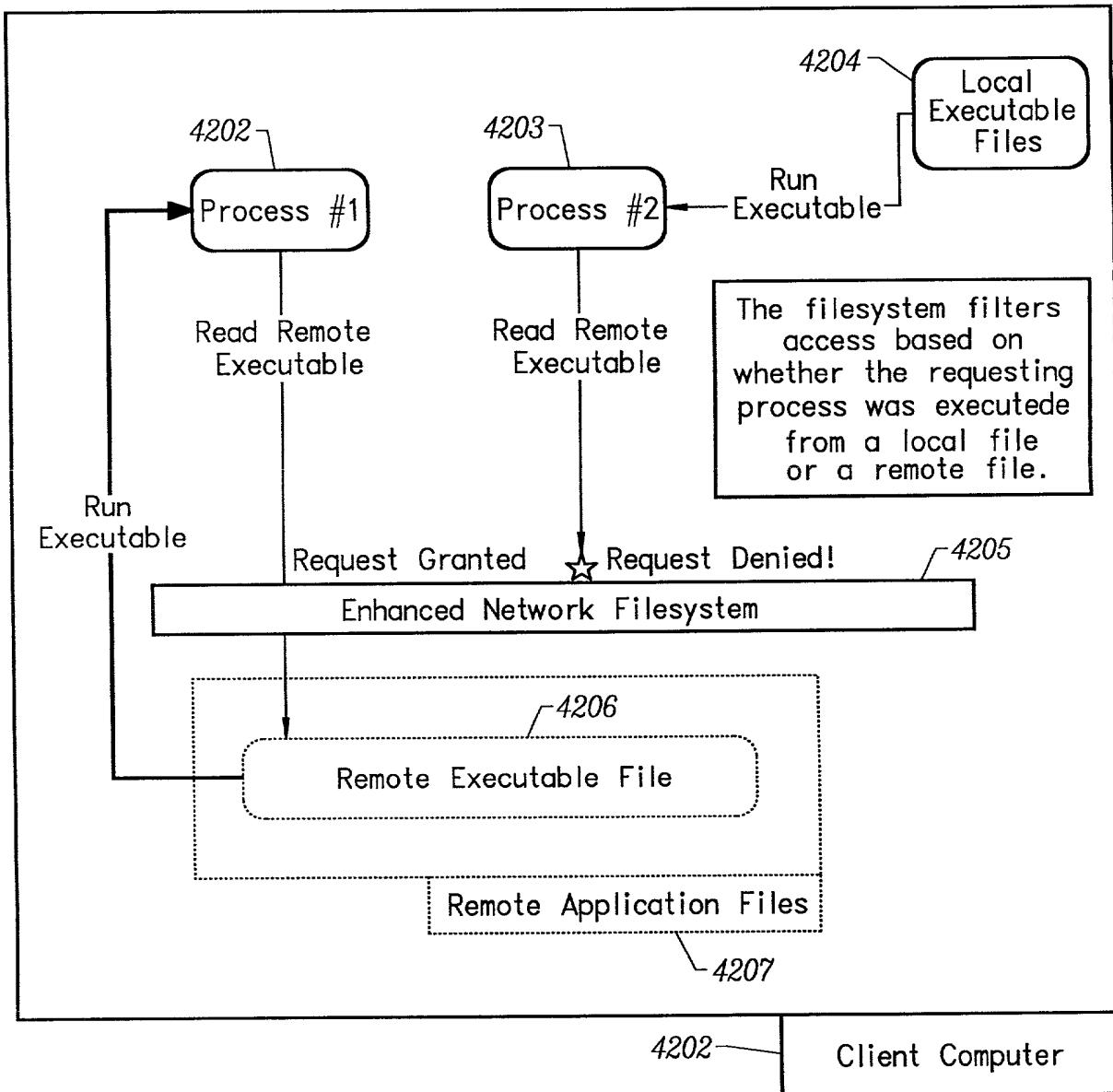


FIG. 42

Filtering of Accesses to Remote Files
Based on Targeted File Section

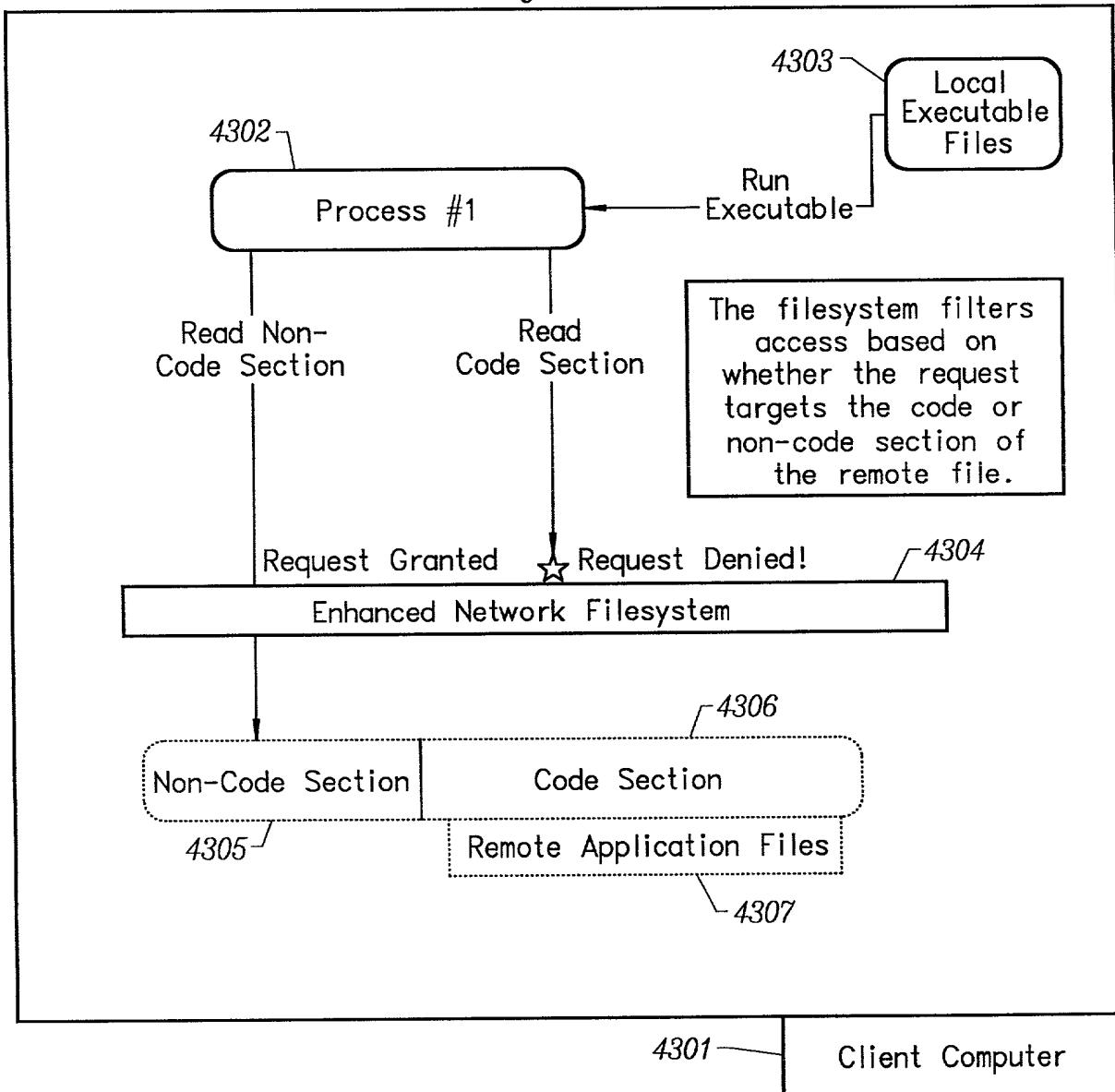


FIG. 43

Filtering of Accesses to Remote Files
Based on Surmised Purpose

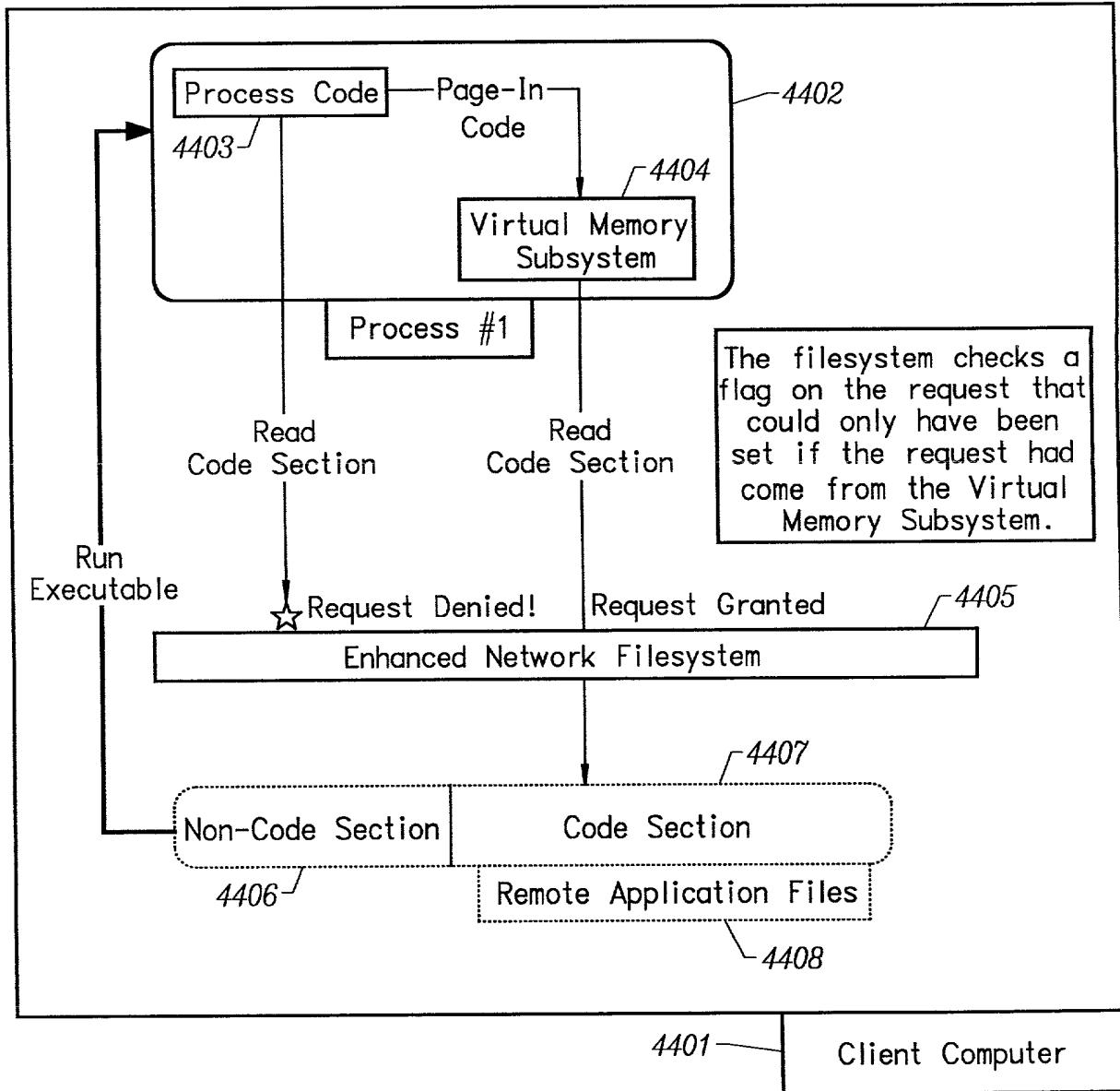


FIG. 44

Filtering of Accesses to Remote Files
Based on Past Access History

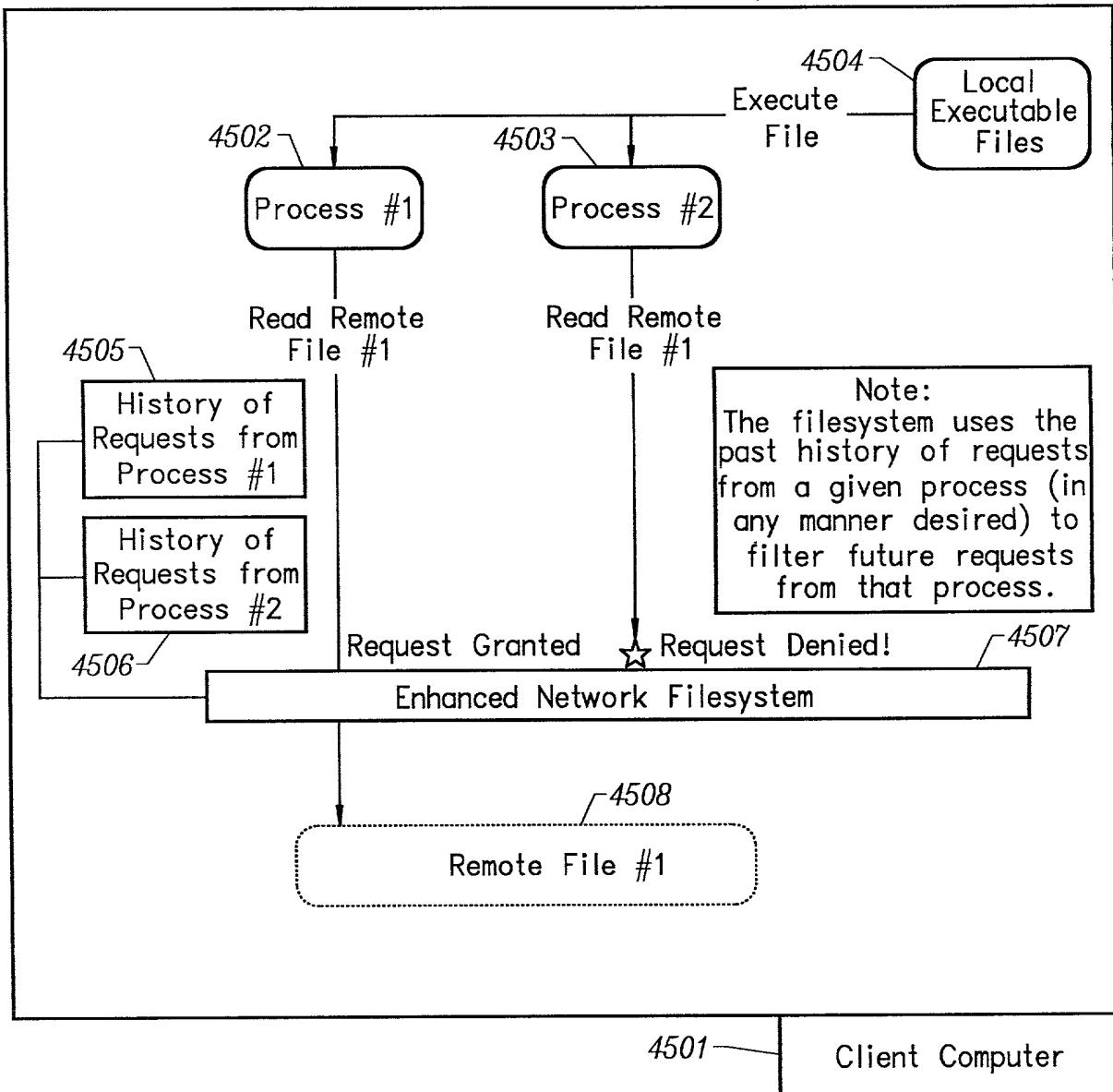


FIG. 45